Appendix

WEIGHT DATA

The following Tables A-1 through A-3 and Figures A-1 through A-15 present a weight breakdown and structural comparison for different types of bomber, cargo, and fighter aircraft. This data was compiled for use in advance launch studies.

Table A-1. BOMBER AIRCRAFT

	MING	TAIL	FUSELAGE	FUSELAGE LANDING	SURFACE	NACELLE	PROPULSION	ENGINE	FUEL SYS-	INST. &
	WEIGHT	WEIGHT	WEIGHT	GEAR WT.	CONTROL WT.	WEIGHT	WEIGHT	WEIGHT	TEM WEIGHT	EQUIP. WT.
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
8-176	9009	912	3635	2854	572	2259	15853	5289	3602	268
B-24J	6612	906	3317	2918	630	1570	14697	0209	2416	155
B-25J	2952	511	1955	1837	423	914	7046	3933	1259	102
B-26C	3865	266	1844	1878	305	1334	7594	4579	959	102
B-29A	14547	1487	7561	7506	836	4174	28758	10843	4382	335
B-32	12226	1664	4796	6044	849	3160	21856	10428	3035	287
В-36Н	39355	4796	17781	16229	1399	7597	67332	34900	4621	1121
B-45C	9747	1784	5152	5157	1001	5999	1939	10359	4485	205
B-47E	16508	2498	12609	7981	1995	3901	21734	15521	4784	497
B-50A	14638	1968	7962	6580	948	5760	27401	13632	5131	386
B-52G	37369	0209	26731	12992	2591	5936	36554	29756	5038	998
B-57C	6728	1115	4703	2130	999	658	7151	5350	1260	194
B-58A	11835	1239	4994	3650	1384	4795	15759	13776	1071	288
8-668	8761	1896	6412	2804	1432	1647	10942	8324	2148	263
8-70	25494	4490	56940	16593	7700	1328	45576	30570	4808	1328

Table A-1. BOMBER AIRCRAFT (Cont'd)

NORTRON	<u> </u>	HUNI	SAILE	. E.									11	792	0	
WEIGHT EMPTY- FIXED EQUIP.	POUNDS	29476	29117	15683	17386	60357	50279	147323	41980	67226	62259	127861	23737	43637	33894	158121
WEIGHT EMPTY	POUNDS	35845	36219	19628	22247	70194	60235	168457	48700	81745	77653	152293	27059	52044	42718	189844
FIXED EQUIPMENT WEIGHT	POUNDS	6369	7102	3445	4861	9837	9366	21134	6720	14519	12124	24432	3322	8407	8824	31723
AIR COND. & ANTI-ICING WEIGHT	POUNDS	299	211	75	367	281	009	1345	115	1303	וווו	029	178	927	1006	3063
FURNISHINGS & EQUIPMENT WEIGHT	POUNDS	866	1406	386	537	1848	1934	4010	1755	1290	2476	2120	519	658	206	3561
ARMAMENT WEIGHT	POUNDS	2929	3105	2091	3025	4301	4563	10834	1836	1480	4243	4333	519	757	998	11790
ELECTRONIC WEIGHT	POUNDS	631	551	448	379	755	267	1055	1469	4926	1499	7957	1093	3784	3420	1248
ELECTRICAL WEIGHT	POUNDS	1244	1100	515	498	2130	1169	2584	101	3687	2344	6047	1090	1387	1354	1,609
HYDRAULIC & PNEUMATIC WEIGHT	POUNDS	152	455	186	144	230	379	185	329	368	343	1915	226	517	774	8574
		B-17G	B-24J	B-25J	B-26C	B-29A	B-32	В-36Н	B-45C	B-47E	B-50A	B-52	B-57C	8-58	8-668	B-70

Table A-1. BOMBER AIRCRAFT (Cont'd)

	CREW WEIGHT	FUEL	OIL WEIGHT	GUNS WEIGHT	AMMO . WE I GHT	BOMB OR STORE * WEIGHT	EQUIPMENT WEIGHT	USEFUL LOAD WEIGHT	NORMAL GROSS WEIGHT
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
B-17G	1200	4710	562	875	1368	4166	36	12881	48726
B-24J	1800	13013	904	783	1170	2000	125	19781	26000
B-25J	1200	2620	495	562	480	2133	48	7541	27169
B-26C	009	5669	405	372	428	1200	34	5713	27960
B-29A	1200	21083	2045	912	3300	20764	478	49806	120000
B-32	1600	31626	2199	625	1629	2042	43	39765	100000
В-36Н	3150	162906	4650	1803	5796	10000	754	189043	357500
B-45C	1000	30942	265	520	360	8830	368	45573	94273
B-47E	069	21953	150	228	620	18000*	185	43255	125000
B-50A	2750	31680	2201	886	1914.	1112	478	42347	120000
B-52G	1620	303815	663	272	720	17700	1147	335707	488000
B-57C	496	14787	45	992	580	5260	250	22183	49242
YB-58A	069	46105	230	248	406		225	47956	100000
8-668	720	23169	113	270	625	10024	361	35282	78000
8-70	1072	306011	510			10000*	3988	347265	537109

Table A-1. BOMBER AIRCRAFT (Cont'd)

															
ROOT CHORD THICKNESS INCHES	41.04	37.0	26.32	19.20	44.88	43.95	88.0	33.7	25.0	44.88	59.7	27.4	22.17	19.40	23.46
TIP CHORD THICKNESS % CHORD PERCENT	0.01	11.86	13.53	15.0	0.6	9.13	17.0	12.0	12.0	0.6	7.8	0.6	0	8.3	0
TIP CHORD LENGTH INCHES	106.7	62.4	64.3	58.0	0.68	62.4	100	93	87.4	0.68	148.0	80.0	0	64.9	0
TIP CHORD THICKNESS INCHES	10.67	7.4	8.70	8.70	8.01	5.70	17.0	11.2	10.5	8.01	11.8	7.2	0	5.4	0
WING	9.7	11.5	7.5	6.75	11.5	13.81	11.08	6.73	9.43	11.5	8.55	4.27	2.1	6.75	1.75
WING STRUCTURAL SPAN FEET	103.75	110.0	7.79	70.0	141.0	135.3	230.0	89.0	141.6	141.23	225.85	64.26	56.86	89.5	105.0
WING SPAN FEET	103.75	110.0	67.7	70.0	141	135.	230	68	116	141.23	185.0	64.26	56.86	72.5	105.0
WING GROSS AREA SQ.FT.	1430	1048	610	540	1739	1422	4772	1177	142'8	1769	4000	096	1543	780	6298
3k)	34.1	53.4	44.5	51.8	0.69	70.3	75.0	80.0	87.5	67.8	122.0	51.3	64.8	100.0	85.3
	8-176	B-24J	B-25J	B-26C	B-29A	B-32	В-36Н	B-45C	B-47E	B-50A	B-52G	B-57C	YB-58A	8-668	B-70

Table A-1. BOMBER AIRCRAFT (Cont'd)

	ROOT CHORD LENGTH	ROOT CHORD THICKNESS % CHORD	WING TAPER RATIO	WING SWEEP C/4	f(\(\chi\)	COS A	λ _T = c τ c τ c τ c r c r c r c r c r c r c r	TOTAL TAIL AREA	VERTICAL TAIL AREA
	INCHES	PERCENT		00				SQ.FT.	. SQ.FT.
B-17G	288.0	14.25	0.370	0	. 424	1.0000	.702	440	166
8-24	168.0	22.02	0.371	0	.424	1.0000	. 539	390	188
B-25	154.8	17.00	0.415	0	.428	1.0000	962.	223	- 62
B-26	128.0	15.00	0:453	0	.431	1.0000	1.000	182	63
B-29A	212.0	22.00	0.420	0	.428	1.0000	409	57.1	238
B-32	192.0	22.89	0.325	3.5	.420	50666.	399	620	287
В-36Н	400.0	22.0	0.250	0	.412	1.0000	.773	1519	265
B-45C	224.7	15.00	0.414	0	.428	1.0000	. 800	387	142
B-47E	208.0	12.00	0.420	35	.428	.81915	1.000	498	230
B-50A	204.0	22.00	0.436	0	.429	1.0000	409	639	586
B-52G	371.0	16.10	0.399	35	.426	.81915	.484	1303	403
B-57C	228.0	12.00	0.351	5.2	.422	. 99588	750	556	63
YB-58A	651.1	3.40	0	0	.379	1.0000	0	160.0	160
8-668	193.6	10.00	0.335	35.9	.421	.81004	.830	303	176
B-70	1413.6	1.66	0	DELTA	.379	1.0000	0	556	234
	+								

Table A-1. BOMBER AIRCRAFT (Cont'd)

							18000				6230		10000
4166	7774	2132	2000	2076	10000	8720		וווג	10000	5523		10000	16000*
1368	1170	420	3300	1629	5796	360	620	1914	720	580	406	625	
1410	1560	815	2316	1870	5140	1385	2600	2316	, 4950	1025	1320	1674	. 7603
7.5	7.42	4.67		9.5	12.5	7.08	9.6	9.6	9.8	6.5	5.25	7.20	30.5
8.6	10.42	7.5	o 10	9.5	12.5	7.92	10.6	9.5	13.1	6.5	6.50	7.70	16.37
74.7	58.8	. 52.9	99.0	82.1	162.1	74.0	105.5	0.66	155.6	65.5	92.13	72.3	189.04
74.7	58:8	52.9	0.66	82.1	162,1	74.0	107.1	0,66	157.6	65.5	96.78	75.2	193.8
274	202	128	333.	333	922	245	268	353	006	193	0	167	322
B-17G	8-24J	B-25J	B-29A	B-32	В-36Н	B-45C	B-47E	B-50A	B-52G	B-57C	YB-58A	B-66B	B-70
	274 74.7 8.6 7.5 1410 1368	274 74.7 74.7 8.6 7.5 1410 1368 202 58.8 58.8 10.42 7.42 1560 1170	274 74.7 74.7 8.6 7.5 1410 1368 202 58.8 58.8 10.42 7.42 1560 1170 128 52.9 52.9 7.5 4.67 815 420 119 51.10 51.10 6.11 6.17 1010 272	274 74.7 74.7 8.6 7.5 1410 1368 202 58.8 58.8 10.42 7.42 1560 1170 128 52.9 52.9 7.5 4.67 815 420 119 51.19 51.19 5.8 5.17 1010 372 333 99.0 99.0 9.5 2316 3300	274 74.7 74.7 8.6 7.5 1410 1368 202 58.8 58.8 10.42 7.42 1560 1170 128 52.9 7.5 4.67 815 420 119 51.19 51.19 5.8 5.17 1010 372 333 99.0 99.0 9.5 9.5 2316 3300 333 82.1 82.1 9.5 1870 1629	274 74.7 74.7 8.6 7.5 1410 1368 202 58.8 10.42 7.42 1560 1170 128 52.9 7.5 4.67 815 420 119 51.19 5.8 5.17 1010 372 333 99.0 99.0 9.5 9.5 2316 3300 922 162.1 162.1 162.1 12.5 12.5 5140 5796 1	274 74.7 74.7 8.6 7.5 1410 1368 202 58.8 58.8 10.42 7.42 1560 1170 128 52.9 7.5 4.67 815 420 119 51.19 51.19 5.8 5.17 1010 372 333 99.0 99.0 9.5 9.5 2316 3300 922 162.1 82.1 9.5 9.5 1870 1629 922 162.1 162.1 12.5 12.5 5140 5796 1 245 74.0 74.0 7.92 7.08 1385 360 1	274 74,7 74,7 8.6 7.5 1410 1368 4166 202 58.8 58.8 10.42 7.42 1560 1170 7774 128 52.9 52.9 7.5 4.67 815 420 2132 119 51.19 51.19 5.8 5.17 1010 372 1200 333 99.0 99.0 9.5 9.5 2316 3300 2000 333 82.1 82.1 9.5 9.5 1870 1629 2076 922 162.1 162.1 12.5 12.5 5140 5796 10000 245 74.0 74.0 74.0 7.92 7.08 1385 360 8720 268 107.1 105.5 10.6 9.6 2600 620 620	274 74,7 74,7 8.6 7.5 1410 1368 4166 202 58.8 58.8 10.42 7.42 1560 1170 7774 128 52.9 7.5 4.67 815 420 2132 119 51.19 51.8 5.17 1010 372 1200 333 99.0 99.0 9.5 9.5 2316 3300 2000 922 162.1 162.1 12.5 12.5 5140 5796 10000 245 74.0 74.0 7.92 7.08 1385 360 8720 268 107.1 105.5 10.6 9.6 2600 620 620 353 99.0 99.0 9.5 9.6 2316 1914 2111	274 74,7 74.7 8.6 7.5 1410 1368 4166 202 58.8 58.8 10.42 7.42 1560 1170 7774 128 52.9 7.5 4.67 815 420 2132 119 51.19 51.19 5.8 5.17 1010 372 1200 333 99.0 99.0 9.5 9.5 1870 1629 2076 922 162 1 162.1 12.5 12.5 5140 5796 10000 245 74.0 74.0 7.92 7.08 1385 360 8720 268 107.1 105.5 10.6 9.6 2600 620 620 353 99.0 99.0 9.5 9.6 2316 1914 2111 900 157.6 155.6 13.1 9.8 ,4950 720 10000	274 74.7 74.7 8.6 7.5 1410 1368 4166 202 58.8 58.8 10.42 7.42 1560 1170 7774 128 52.9 52.9 7.5 4.67 815 420 2132 119 51.19 51.19 5.8 5.17 1010 372 1200 333 9910 99.0 9.5 9.5 2316 3300 2000 922 16211 162.1 12.5 12.5 5140 5796 10000 245 74.0 74.0 7.92 7.08 1385 360 8720 268 107.1 105.5 10.6 9.6 2600 620 620 353 99.0 99.0 99.5 9.6 2316 1914 2111 900 157.6 155.6 13.1 9.8 4950 720 10000 193 65.5 65.5 6.5 6.	274 74.7 74.7 8.6 7.5 1410 1368 4166 202 58.8 58.8 10.42 7.42 1560 1170 7774 128 52.9 7.5 4.67 815 420 2132 119 51.19 51.19 5.8 5.17 1010 372 1200 333 99.0 99.0 9.5 9.5 1870 1629 2000 922 162.1 162.1 12.5 12.5 5140 5796 10000 245 74.0 74.0 7.92 7.08 1385 360 8720 268 107.1 105.5 10.6 9.6 2600 620 620 268 107.1 105.5 10.6 9.6 2316 1914 2111 900 155.6 155.6 13.1 9.8 4950 720 10000 193 65.5 65.5 6.5 1025	274 74.7 8.6 7.5 1410 1368 4166 202 58.8 58.8 10.42 7.42 1560 1170 7774 1128 52.9 7.5 4.67 815 420 2132 119 51.19 51.19 5.8 5.17 1010 372 1200 333 9910 99.0 9.5 9.5 1870 1629 2006 245 74.0 7.92 7.08 1385 360 8720 1000 245 74.0 7.92 7.08 1385 360 8720 1000 245 107.1 105.5 10.6 9.6 2600 620 620 620 620 620 620 620 620 1000 1000 1000 1000 1000 62.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5

Table A-1. BOMBER AIRCRAFT (Concluded)

	ARMAMENT	STRESS GROSS WEIGHT	STRESS LOAD FACTOR	STRESS FUEL WEIGHT	MAXIMUM
·	POUNDS	POUNDS	POUNDS	POUNDS	KNOTS
B-17G	5534	48726	4.5	4710	285
B-24J	8944	4100	5.5	7570	290
B-25	2552	26122	5.5	2620	257
B-26C	1572	26000	6.75	2669	324
B-29A	5300	105000	4.5	21083	354
B-32	3705	100000	4.5	30672	312
B-36H	15796	357500	3.0	170840	365
B-45C	9080	93121	4.5	30942	498
B-47E	18620	220000	3.0	115345	528
B-50A	4025	120000	4.0	31680	347
B-52G	10720	276100	5.25	97996	553
B-57C	6103	38689	7.5	3766	520
B-58A	6636	107250	4.5	45588	1147
B-66B	10625	78000	4.8	23170	559
B-70	26000	554609	3.0	329126	1721

Table A-2. CARGO AIRCRAFT

-	WING	TAIL	FUSELAGE	LANDING GEAR WT.	SURFACE CONTROL WT	NACELLE WEIGHT	PROPULSION WEIGHT	ENGINE WEIGHT	FUEL SYS- TEM WEIGHT	INST. & NAVI. EQUIP. WT.
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
C-47A	3637	513	2136	1763	336	804	6064	1808	534	122
C-54G	6565	1139	5528	4174	939	2118	13948	6310	1360	419
C-74A	18725.	2611	12450	10314	1407.	5517	23496	13496	3146	405
C-82A	5948	892	5020	4019	849	1914	9391	4700	969	126
0-970	15389	2078	13572	7112	168	4753	23051	13844	1488	487
C-118A	8940	1697	8099	4446	810	3292	16731	9414	2058	867
C-119G	7247	1195	7170	4200	1137	2608	12156	9069	1860	280
C-121C	11010	2618	12556	5709	1777	4476	21353	14603	1367	702
C-123B	5892	1468	7011	2346	593	1403	8640	4780	1396	172
C-124C	18135	3025	18073	11700	1493	6119	27019	15551	4059	692
C-130A	10389	2893	12035	4509	1414	2536	12477	6406	1033	809
C-131B	5226	1191	4884	2251	922	1739	7918	4756	309	250
C-133A	27603	6019	32240	10656	1859	3772	20663	10785	2047	289
		I								
KC-135	24719	4958	18176	10698	1897	2547	19584	14862	1430	523

Table A-2. CARGO AIRCRAFT (Cont'd)

	HYDRAULIC & PNEUMATIC WEIGHT	ELECTRICAL WEIGHT	ELECTRONIC WEIGHT	FURNISHINGS & EQUIPMENT WEIGHT	AIR COND & ANTI-ICING WEIGHT	FIXED EQUIPMENT WEIGHT	WEIGHT EMPTY	WEIGHT EMPTY- FIXED EQUIP.	≥ v
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	
C-47A	140	495	770	1450	233	3210	17873	14663	27.1
C-54G	272	787	835	3555	481	6349	38656	32307	42.6
C-74A	403	1204	867	6740	1420	11464	85985	74521	57.8
C-82A	163	525	792	1125	375	2943	29062	26119	32.0
0-970	465	3043	1087	2444	1340	9106	75974	89899	84.8
C-118A	280	2162	1682	4298	3092	12828	56843	44015	70.4
C-119G	459	9111	1092	1313	1255	2677	41211	23297	44.2
C-121C	726	1627	1974	1915	3912	17381	76154	58772	9.08
C-123B	156	826	889	745	1042	3913	31232	27319	44.2
C-124C	582	1952	1886	7539	3293	16536	102181	85645	73.8
C-130A	640	1856	1508	3065	2293	10381	57407	47026	61.9
C-131B	264	1367	1046	1443	1211	5615	29604	23989	51.1
C-133A	2815	2135	2254	4620	3114	15930	118686	102756	102.9
KC-135	789	2333	2008	1483	1579	10491	92678	82187	94.5
		A	A. C.						

Table A-2. CARGO AIRCRAFT (Cont'd)

	.3 - n		AILL.													
SPAN	FEET	95.0	117.5	173.75	106.0	141.2	117.5	109.25	123.0	110.0	174.13	132.60	105.33	175.65	·	159.71
SPAN AERODYNAMIC	FEET	95.0	117.5	173.75	106.0	141.2	117.5	109.25	123.0	110.0	174.13	132.60	105.33	179.65		130.83
SURFACE AREA WING	SQ. FT.	886	1457	2510	1400	1769	1463	1447.24	1650.0	1223.22	2506	1745.5	920	2673.1		2433
NORMAL GROSS WEIGHT	POUNDS	26765	62000	145000	44805	150000	103000	64000	133000	54000	185000	108000	47000	575000		230000
USEFUL LOAD WEIGHT	POUNDS	8892	23344	58959	15745	74036	46157	22705	56846	22768	82819	50593	17396	161186		137322
CARGO WE I GHT	POUNDS	2925	13560	28137	2508	46500	10193	4584	10358	16000	55262	25000	5689	97162		45000
OIL WEIGHT	POUNDS	519	1149	1495	890	1375	1620	1025	1460	354	2620	408	663	2620		303
FUEL WEIGHT	POUNDS	4848	7351	27322	11320	24349	32761	15636	28457	5744	22769	23999	10433	06019		89800
CREW WE I GHT	POUNDS	009	1200	1800	1000	1000	800	1000	1600	400	1000	800	400	1000		800
		C-47A	C-54G	C-74A	C-82A	0-970	C-118A	C-119G	C-121C	C-123B	C-124C	C-130A	C-131B	C-133A		KC-135

Table A-2. CARGO AIRCRAFT (Cont'd)

NORTRONICS .	- HU	INTS	VILLE										T	R - 792	2-8-	302
SWEEP ANGLE 25% CHORD		_	_	_	_		_		_	_	~	,	_			
WING TAPER RATIO		3.024	3.079	2.355	5.000	4.363	3.116	4.980	4.636	5.280	2.355	5.208	3.333	2.283	_	3.314
ROOT CHORD THICKNESS % CHORD	רבאכבאו	17.58	15.98	18.97	18.00	22.01	16.00	18.00	18.00	17.10	18.97	18.02	20.00	17.17		16.69
ROOT CHORD LENGTH	INCHES	170	229	282	214	204	228.8	214.87	220.0	179.54	282.0	192.0	162.0	290.9		337.98
ROOT CHORD THICKNESS	INCHES	29.9	36.6	53.5	38.5	44.9	36.6	38.7	39.6	30.70	53.50	34.6	32.3	49.95		56.40
TIP CHORD THICKNESS % CHORD	PEKLENI	6.22	12.06	14.0	0.6	0.6	11.92	9.00	11.96	8.90	14.00	12.00	15.00	15.00		9.00
TIP CHORD LENGTH	INCHES	51.4	70.5	66.4	107.0	0.68	71.3	107.0	102.0	94.8	66.4	100.0	54.0	66.4		112.00
TIP CHORD THICKNESS	INCHES	3,2	8.5	₀ 8	9.63	0 8	8.5	9,63	12.2	8.34	9.30	12.00	8.1	96.6		10.10
MING AR		9.13	9.48	12.03	8.03	11.5	9.44	8.25	9.17	68.6	11.96	10.09	12.06	12.07		7.04
		C-47A	C-54G	C-74A	C-82A	C-97C	C-118A	C-119G	C-121C	C-123B	C-124C	C-130A	C-131B	C-133A		KC-135

Table A-2. CARGO ARICRAFT (Cont'd)

STRESS GROSS WEIGHT	POUNDS	26000	62000	145000	42000	150000	107000	64000	134400	54000	185000	108000	53200	275000	 275000
FUSELAGE WETTED AREA	SQ.FT.	1190	2490	3940	1830	3607	2976	2210	2659	2250	5770	3460	3300	6472	4420
FUSELAGE WIDTH	FEET	8.1	10.4	13.2	10.3	11.6	10.4	11.5	11.6	14.08	13.75	14.16	9.4	16.67	12.00
FUSELAGE DEPTH	FEET	8.7	11.5	13.2	13.5	15.21	11.50	13.5	11.6	11.67	20.92	13.25	9.4	16.10	13.83
AIRCRAFT LENGTH	FEET	63.75	93.8	124.0	55.42	110.3	106.8	86.5	116.2	76.25	130.0	97.8	79.2	157.54	128.83
FUSELAGE LENGTH (BASIC)	FEET	63.75	93.8	124.0	55.42	110.3	106.8	86.5	116.2	76.25	130.0	97.8	79.2	153.37	128.83
HORIZONTAL TAIL AREA	SQ.FT.	206.0	288.0	693.0	310.0	333.0	365.9	341.0	454.0	345.57	681.0	496.0	234.0	801.0	500.0
VERTICAL TAIL AREA	SQ.FT.	126.0	179.0	344.0	199.0	306.0	185.0	205.5	302.0	255.0	465.0	300.0	159.0	640.2	372.4
TOTAL TAIL AREA	SQ.FT.	332.0	467.0	1037.0	203.0	639.0	550.9	546.5	756.0	600.57	1146.0	0.967	393.0	1441.2	812.4
		C-47A	C-54G	C-74A	C-82A	C-97C	C-118A	C-119G	C-121C	C-123B	C-124C	C-130A	C-131B	C-133A	 KC-135A

Table A-2. CARGO AIRCRAFT (Concluded)

				•		
	STRESS FUEL WEIGHT	STRESS CARGO WEIGHT	STRESS LOAD FACTOR	V MAX	f(λ)	cos A
	POUNDS	POUNDS		KNOTS	,	
C-47A	4848	2160	4.65	202	.418	1.0000
C-54G	7351	13560	4.50	268	.418	1.0000
C-74A	27322	28137	3.00	202	 411 ···	1.0000
C-82A	11320	2508	5.50	246	.434	1.0000
C-97C	24349	46500	3.72	334	.429	1.0000
C-118A	32760	14194	3.75	320	.418	1.0000
C-119G	15636	4584	4.50	253	.434	1.0000
C-121C	24400	31640	3.75	320	.431	1.0000
C-123B	5745	16000	4.50	210	.436	1.0000
C-124C	22769	55262	3.75	288	.411	1.0000
C-130A	23999	25000 、	4.50	332	.435	1.0000
C-131B	10420	12246	4.72	278	.421	1.0000
C-133A	117360	38927	3.75	305	.410	1.0000
					i i	
KC-135A	110000	69860	3.00			

Table A-3. FIGHTER AIRCRAFT

NORTRONICS - HUNTSVILLE

																. 1 / .	12-8-	302
WEIGHT EMPTY- FIXED EQUIP.	POUNDS	6997	11349	8995	10582	23967	9074	17997	20983	14810	10404	10659	21447	18351	21895	41473		7055
WEIGHT EMPTY	POUNDS	8423	13674	11263	13402	27936	12014	20973	24720	19130	12625	13008	25260	23583	25144	20605		8483
FIXED EQUIPMENT WEIGHT	POUNDS	1214	2325	2268	2820	3969	2940	2976	3167	4230	2221	2408	3813	5232	3249	9434		1394
AIR COND & ANTI-ICING WEIGHT	POUNDS	78	103	110	172	495	395	297	136	259	185	203	184	387	450	1153		109
FURNISHINGS & EQUIPMENT WEIGHT	POUNDS	116	198	192	169	533	185	231	236	227	241	459	292	284	301	1530		243
ARMAMENT WE I GHT	POUNDS	326	788	710	916	1120	1040	1026	415	. 589	309	109	791	630	1125	826		152
ELECTRONIC WEIGHT	POUNDS	191	588	246	526	441	391	433	166	2001	581	929	726	2653	375	3572		305
ELECTRICAL WEIGHT	POUNDS	334	504	632	725	929	501	496	,752	594	422	444	802	597	487	754	æ.	369
HYDRAULIC & PNEUMATIC WEIGHT	POUNDS	139	292	233	307	85	152	148	378	318	281	284	460	388	164	939		162
		F-80C	F-84F	F-84G	F-86K	F-89D	F-94C	F-100D	F-101A	F-102A	F-104C	F-104D	F-105B	F-106A	F-107A	F-108A		T-33A

Table A-3. FIGHTER AIRCRAFT (Cont'd)

	WING	TAIL WEIGHT	FUSELAGE WEIGHT	LANDING GEAR WT.	SURFACE CONTROL WT.	NACELLE WEIGHT POUNDS	PROPULSION WEIGHT	ENGINE WEIGHT POUNDS	FUEL SYS- TEM WEIGHT	INST. & NAVIG. EQUIP. WT.
	2000	2000	CONO	2000	LOGINOS	COMPO	COMPO	rodabo	COMPO	LOUINDS
F-80C	1506	225	1309	809	202	!	3348	1871	1183	09
F-84F	2717	471	1931	1149	612	69	4400	2697	1080	66
F-84G	1902	288	1677	086	395	33	3720	2380	696	72
F-86K	2133	346	2232	834	497	119	4421	3366	920	163
F-89D	6083	944	2881	2256	1041	787	7297	5588	1260	239
F-94C	1975	425	1946	. 019	339	1	3765	2725	865	70
F-100D	3891	626	3683	1484	1071	104	6778	5130	795	233
F-101A	3126	701	3283	1552	129	98	11310	9542	985	185
F-102A	3000	535	2409	1056	413	39	6358	4993	394	141
F-104C	1168	593	2687	825	638	112	4416	3290	595	150
F-104D	1151	589	2928	855	692		4256	3250	431	190
F-1058	3615	983	5954	1995	1418	106	7458	5838	672	245
F-106A	3274	999	4604	1231	461	38	8078	5816	751	129
F-107A	3821	1435	4860	1424	1590	88	9298	6201	1005	301
F-108A	6737	1535	12972	2180	2625	138	15286	10286	1614	208
T-33A	1517	242	1549	199	255	#	2802	1908	595	06

Table A-3. FIGHTER AIRCRAFT (Cont'd)

WING	SQ. FT.		38.9	38.9	38.9 33.6 36.42	38.9 33.6 36.42 37.12	38.9 33.6 36.42 37.12 52.0	38.9 33.6 36.42 37.12 52.0	38.9 33.6 36.42 37.12 52.0 37.26	38.9 33.6 36.42 37.12 52.0 37.26 38.58	38.9 33.6 36.42 37.12 52.0 37.26 38.58 39.7	38.9 33.6 36.42 37.12 52.0 37.26 38.58 39.7 39.7	38.9 33.6 36.42 37.12 52.0 38.58 39.7 38.13 21.9	38.9 33.6 36.42 37.12 52.0 37.26 38.58 39.7 38.13 21.9 21.9	38.9 33.6 36.42 37.12 52.0 37.26 38.58 39.7 38.13 21.9 21.9 35.0	38.9 33.6 36.42 37.12 52.0 37.26 38.58 39.7 21.9 21.9 21.9 35.0	38.9 33.6 36.42 37.12 52.0 37.26 38.58 39.7 38.13 21.9 21.9 38.13 36.58	38.9 33.6 36.42 37.12 52.0 37.26 38.58 39.7 21.9 21.9 21.9 35.0 36.58
WING GROSS AREA	SQ. FT.		237.6	237.6	237.6 324.7 260	237.6 324.7 260 287.9	237.6 324.7 260 287.9 606	237.6 324.7 260 287.9 606	237.6 324.7 260 287.9 606 232.8 400.18	237.6 324.7 260 287.9 606 232.8 400.18	237.6 324.7 260 287.9 606 232.8 400.18 368.0	237.6 324.7 260 287.9 606 232.8 400.18 368.0 695.1	237.6 324.7 260 287.9 606 232.8 400.18 368.0 695.1 196.1	237.6 324.7 260 287.9 606 232.8 400.18 368.0 695.1 196.1 196.1	237.6 324.7 260 287.9 606 232.8 400.18 368.0 695.1 196.1 196.1	237.6 324.7 260 287.9 606 232.8 400.18 368.0 695.1 196.1 196.1 385.0 697.83	237.6 324.7 260 287.9 606 232.8 400.18 368.0 695.1 196.1 196.1 385.0 697.83	237.6 324.7 260 287.9 606 232.8 400.18 368.0 695.1 196.1 196.1 385.0 697.83 394.84
R = 351 05 5		.352		.270	.270	.270 .270	. 270 . 270 . 272 . 265	.270 .270 .272 .265	. 270 . 270 . 272 . 265 . 310	. 270 . 272 . 265 . 222 . 310	. 270 . 272 . 265 . 310 . 390		. 270 . 270 . 272 . 265 . 310 . 319 . 358					
S	LB/FT ²	54.76	57.7		59.3	59.3	59.3 63.96 62.7	59.3 63.96 62.7 66.75	59.3 63.96 62.7 66.75 75.9	59.3 63.96 62.7 66.75 75.9	59.3 63.96 62.7 66.75 75.9 109.9	59.3 63.96 62.7 66.75 75.9 109.9	59.3 63.96 62.7 66.75 75.9 109.9 40.4	59.3 63.96 62.7 66.75 75.9 109.9 40.4 100.3	59.3 63.96 62.7 66.75 75.9 109.9 40.4 100.3 91.7	59.3 63.96 62.7 66.75 75.9 109.9 40.4 100.3 91.7 89.1	59.3 63.96 62.7 66.75 75.9 109.9 40.4 100.3 91.7 89.1 49.0	59.3 63.96 62.7 66.75 75.9 109.9 40.4 100.3 91.7 89.1 49.0 102.8 54.96
GROSS WEIGHT	POUNDS	13012	18748		15422	15422	15422 18414 38020	15422 18414 38020 15541	15422 18414 38020 15541 30383	15422 18414 38020 15541 30383	15422 18414 38020 15541 30383 40433	15422 18414 38020 15541 30383 40433 28090 19665	15422 18414 38020 15541 30383 40433 28090 19665 17979	15422 18414 38020 15541 30383 40433 28090 19665 17979 34297	15422 18414 38020 15541 30383 40433 28090 19665 17979 34297	15422 18414 38020 15541 30383 40433 28090 19665 17979 34297 34222	15422 18414 38020 15541 30383 40433 40433 28090 19665 17979 34297 34222 40580	15422 18414 38020 15541 30383 40433 28090 19665 17979 34297 34222 40580
LOAD	POUNDS	4589	5074	(4159	5012	4159 5012 10084	4159 5012 10084 3452	4159 5012 10084 3452 9410	4159 5012 10084 3452 9410	4159 5012 10084 3452 9410 15754 8960	5012 10084 3452 9410 15754 8960	4159 5012 10084 3452 9410 15754 8960 7040	5012 10084 3452 9410 15754 8960 7040 4970	5012 10084 3452 9410 15754 8960 7040 4970 9037	4159 5012 10084 3452 9410 15754 8960 7040 4970 9037 10639	5012 10084 3452 9410 15754 8960 7040 4970 9037 10639 15436	4159 5012 10084 3452 9410 15754 8960 7040 4970 9037 10639 15436 51626
WEIGHT	POUNDS	23	40	70		53	23	23 54 23	23 54 23 75	23 54 23 75	23 23 75 125 62	23 23 75 125 62	23 23 75 125 62 30	23 23 75 125 30 30	23 23 75 125 30 60 60	23 23 75 125 30 60 60	23 23 75 125 30 60 60 67	23 23 75 125 30 60 60 67
WEIGHT	POUNDS	2914	3829	2873		3977	3977	3977 7668 2440	3977 7668 2440 7820	3977 7668 2440 7820 14075	3977 7668 2440 7820 14075	3977 7668 2440 7820 14075 7207 5920	3977 7668 2440 7820 14075 7207 5920	3977 7668 2440 7820 14075 7207 5920 4290	3977 7668 2440 7820 14075 7207 5920 4290 7678	3977 7668 2440 7820 14075 7207 5920 4290 7678 8914	3977 7668 2440 7820 14075 7207 5920 4290 7678 8914 11291	3977 7668 2440 7820 14075 7207 5920 4290 7678 8914 11291
CREW WEIGHT	POUNDS	230	230	230		230	230	230 460 460	230 460 230	230 460 230 230	230 460 230 230 230	230 460 230 230 230	230 460 230 230 230 460	230 460 230 230 230 230	230 460 460 230 230 230 230 230			
		F-80C	F-84F	F-84G	-	F-84K	F-84K F-89D	F-84K F-89D F-94C	F-84K F-89D F-94C F-100D	F-84K F-89D F-94C F-100D	F-84K F-89D F-94C F-100D F-101A	F-84K F-89D F-94C F-100D F-101A F-102A	F-84K F-89D F-94C F-100D F-102A F-104C F-1040	F-84K F-89D F-94C F-100D F-102A F-104C F-104D	F-84K F-89D F-94C F-100D F-102A F-104C F-105B F-106A	F-84K F-89D F-94C F-100D F-102A F-104C F-104C F-106A F-105B	F-84K F-89D F-94C F-100D F-104D F-105B F-105B F-105A F-105A	F-84K F-89D F-94C F-100D F-102A F-104C F-105B F-106A F-106A F-106A

Table A-3. FIGHTER AIRCRAFT (Cont'd)

WING TAPER RATIO		0.38	0.58	0.57	0.51	0.5	0.38	0.26	0.28	0	0.38	0.38	0.47	0	0.257	0.26	 0.38
ROOT CHORD THICKNESS % CHORD	PERCENT	13	8.1	12	12	ο̈́	10	7	6.7	4	3.6	3.6	5.5	4.0	4.2	1.6	 13
ROOT CHORD LENGTH	INCHES	110	148.59	110.28	123.69	187	110	190.35	173.25	427.6	155.83	15583	180.0	427.6	222.12	759.9	 110
ROOT CHORD MAXIMUM THICKNESS	INCHES	14.3	12.04	13.23	14.35	16.8	=	13.32	11.55	16.65	5.61	5.61	6.6	16.65	9.52	11.9	14.3
TIP CHORD THICKNESS % CHORD	PERCENT	13	8.1	12	=	σ,	10	7	15	0	3.5	3.5	4		S	2.6	13
TIP CHORD LENGTH	INCHES	41.8	86.0	62.88	63.47	93.5	41.9	49.82	49.28	0	58.0	58.0	84		57.1	34.6	41.8
TIP CHORD THICKNESS	INCHES	5.45	96.9	7.54	86.9	8.4	4.19	3.49	2.82	7.8	2.0	2.0	3.36		2.85	0.9	5.45
WING AR		6.37	3.48	5.10	4.79	4.46	5.96	3.72	4.28	2.1	2.45	2.45	3.18	2.1	3.39	1.76	 5.96
WING STRUCTURAL SPAN	FEET	39.01	43.86	36.42	45.43	52.17	37.39	54.56	49.39	38.13	23.08	23.08	49.5	38.13	51.73	57.4	37.4
		F-80C	F-84F	F-84G	F-86K	F-89D	F-94C	F-100D	F-101A	F-102A	F-104C	F-104D	F-105B	F-105A	F-107A	F-108A	T-33A

Table A-3. FIGHTER AIRCRAFT (Cont'd)

FUSELAGE DEPTH FEET	4.67	7.17	5.19	5.71	6.17	4.67	5.63	7.03	6.9	4.70	4.70	7.41	6.49	7.36	9.9		4.67
FUSELAGE LENGTH FEET	34.5	38.5	38.5	38.04	53.75	41.42	45.64	96.99	61.12	51.25	51.25	63.1	63.03	56.57	76.6		37.7
AIRCRAFT LENGTH FEET	34.5	43.4	38.45	40.9	53.75	43.6	48.16	67.45	63.18	54.77	54.77	63.1	70.73	60.82	92.4		37.7
HORIZONTAL TAIL AREA SQ. FT.	38.24	55.8	48.45	53.90	111.3	0.09	98.86	75.1	0	48.1	48.1	60.37	0	96.28	0		38.24
VERTICAL TAIL AREA SQ. FT.	27.36	39.49	30.88	31.05	44.2	28.0	55.56	84.9	95.14	35.1	43.7	63.0	105.0	83.79	129.8	· · ·	27.36
TOTAL TAIL AREA SQ. FT	65.6	95.3	79.33	84.95	155.5	88.3	154.42	160.0	95.14	83.2	83.2	123.4	105	180.07	129.8		65.6
COS A	89966.	.76604	1.00000	.81208	30666.	89966.	.70711	.80386	1.00000	.94943	.94943	11707.	1.00000	.70711	1.00000		
f(λ)	.425	.439	.439	.435	.434	. 425	.413	.416	.379	. 425	.425	. 432	.379	.413	.386		
WING SWEEP CHORD 25% DEGREES	4.7	40	0	35.7	2.5	4.7	45	36.5	0	18.3	18.3	45	0	45	0	-	4.7
·	F-80C	F-84F	F-84G	F-86K	F-89D	F-94C	F-100D	F-101A	F-102A	F-104C	F-104D	F-105B	F-106A	F-107A	F-108 A		T-33A

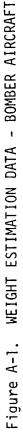
Table A-3. FIGHTER AIRCRAFT (Cont'd)

STRESS FUEL WEIGHT	POUNDS	2102	3581	2873	2653	2668	1909	5614	10643	4617	3200	2711	4773	5742	2569	19930	2379
STRESS LOAD FACTOR		11.0	14.0	11.0	8.	8.5	13.0	11.0	11.0	10.5	11.0	11.0	13.0	10.5	11.0	5.33	11.0
STRESS GROSS WEIGHT	POUNDS	12200	18500	15600	17090	38263	15000	28177	37000	25500	16945	16400	31392	31050	31858	74543	12200
BOMB WEIGHT	POUNDS		7000					<u>-</u> .			-	* 12.5			5000		
AMMO WE I GHT	POUNDS	540		540	370			260	260		510		757		260		180
ROCKET WEIGHT	POUNDS	1120				1882	445			432				816			
MISSILE	POUNDS		540							762				540		2454	
FUSELAGE WETTED AREA	SQ. FT.	410	478	439	552.43	583	909	741.58	1009.2	979	699	699	186	1045	936.46		4.0
FUSELAGE WIDTH	FEET	4.67	4.17	4.17	5.00	86.9	4.67	5.58	79.7	6.5	5.5	5.5	4.38	8.06	5.65	2039	4.67
	-	F-80C	F-84F	F-84G	F-86K	F-89D	F-94C	F-100D	F-101A	F-102A	F-104C	F-104D	F1058	F-106A	F-107A	F-108A	T-33A

			- 1			<u> </u>			و						rr- 79	 -302
Σ	.826	6.	1.0347	6.	9896.	.9739	1.3773	1.5	1.1826	2.00	2.00	2.08	2.017	2.4347	3.00	
٧2 .	225625	354025	354025	360000	310249	313600	627264	744769	462400	1322500	1322500	1210000	1345600	1960000	2961841	
MAX MAX KNOTS	475	595	595	009	557	260	792	863	089	1150	1150	1100	1160	1400	1721	475
AR C	7650.	.0234	.0464	.0386	.0239	.05418	9610.	.0247	.0049	.0157		.0177		.0153	.00232	
STRESS Was	51.34	56.98	60.00	59.36	63.14	64.43	70.41	100.5	36.7	86.4	83.7	68.2	44.6	80.8	40.0	
Wgn 2M ² S	414	492.5		596	313	440	204	246	137	118.7		123.3		75	17.8	
$\frac{M_{\text{gn}}}{2} b_{\text{s}} f(\lambda)$	1.11×10 ⁶	2.49	1.37	1.37	3.68	1.55	3.49	4.18	1.93	.914		4.36	2.36	3.74	6.48	
b _s f(λ)	16,58	19.25	15,99	19.76	22:64	15.89	27.53	20.55	14,45	18.6	18.6	21.38	14.45	21,36	21.75	- ,
Z gu	671.00	1295.00	858.00	692.15	1626.18	975.00	1549.73	2035.00	1338.75	931.98	902.00	2040.48	1630.12	1752,19	2981.72	
	F-80C	F-84F	F-84G	F-86K	F-89D	F-94C	F-100D	F-101A	F-102A	F-104C	F-104D	F-1058	F-106A	F-107A	F-108A	Т-33д

Table A-3. FIGHTER AIRCRAFT (Concluded)

	M ²	ALT	t c ave	1/2 pv _M ²	$\frac{1}{M^2}$
F-80C	.682				1.47
F-84F	.81	S.L.	10	421	1.23
F-84G	1.071				
F-86K	.81	S.L.	11.5	428	1.23
F-89D	.937	10600	9	265	1.17
F-94C	.949	·			
F-100D	1.896	35000	7	231	.527
F-101A	2.25	35000	6.5	274	.444
F-102A	1.40	35000	4	170	.714
F-104C	4.00	35000	3.4	487	.250
F-104D	4.00				.250
F-105B	4.32	36000	4.6	526	.231
F-106A	4.08	35000	4	496	.245
F-107A	5.93				.167
F-108A	9.00	76550	2.3	148	.111
		,			
T-33A					



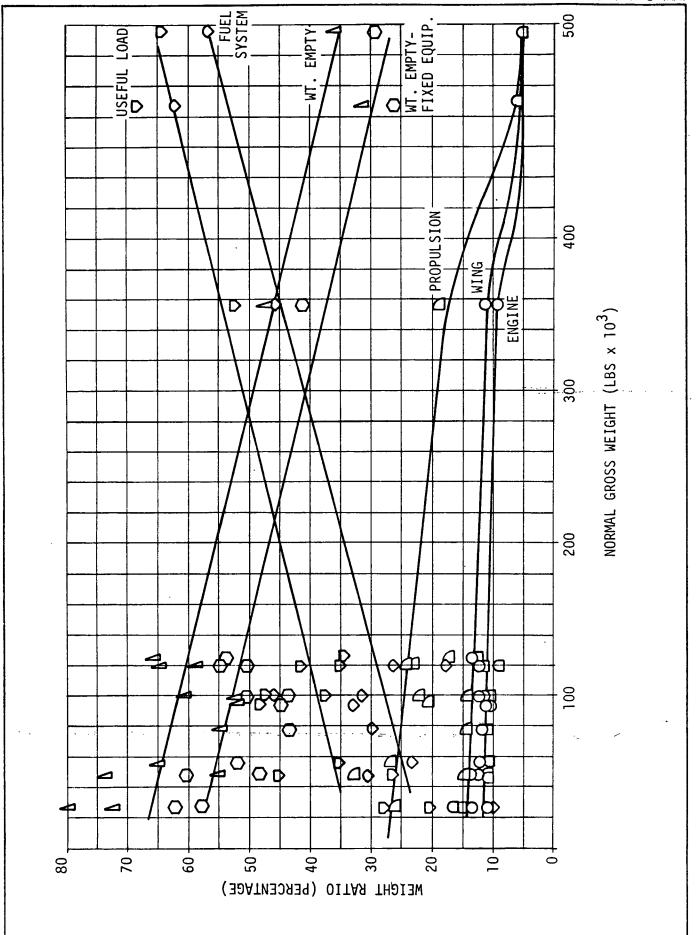
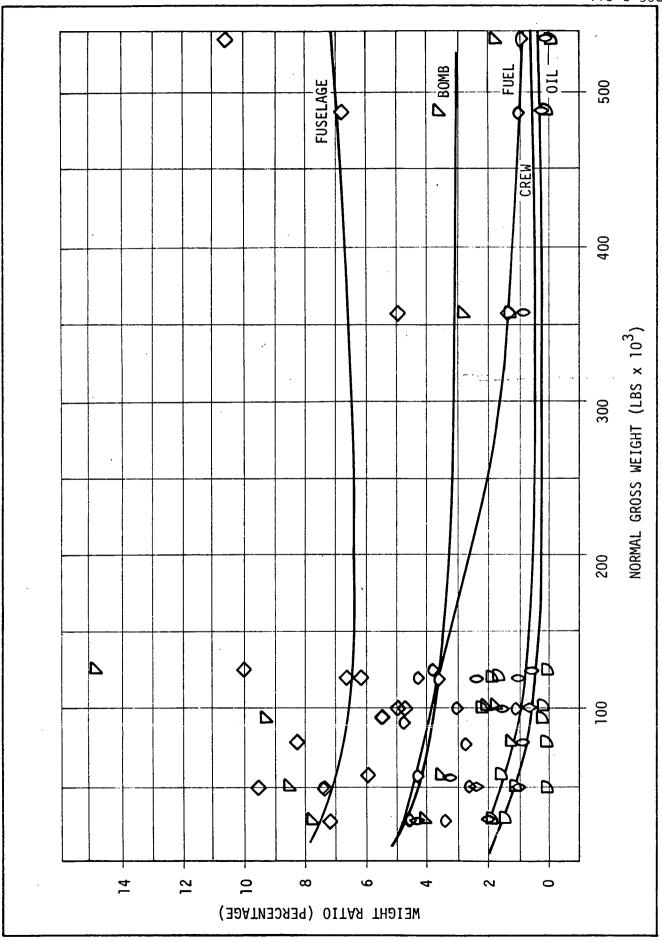


Figure A-2. WEIGHT ESTIMATION DATA - BOMBER AIRCRAFT



A-24

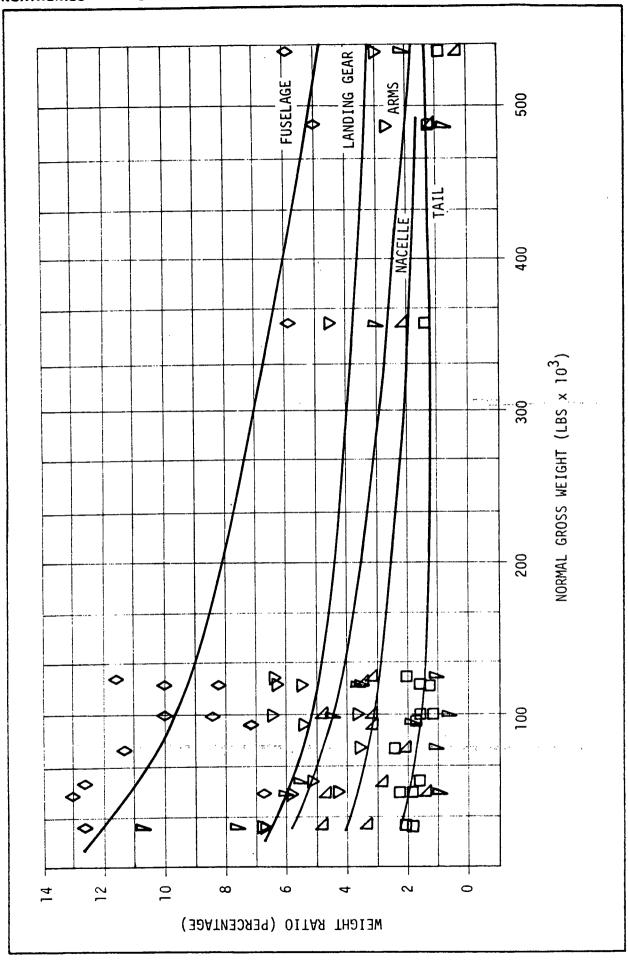
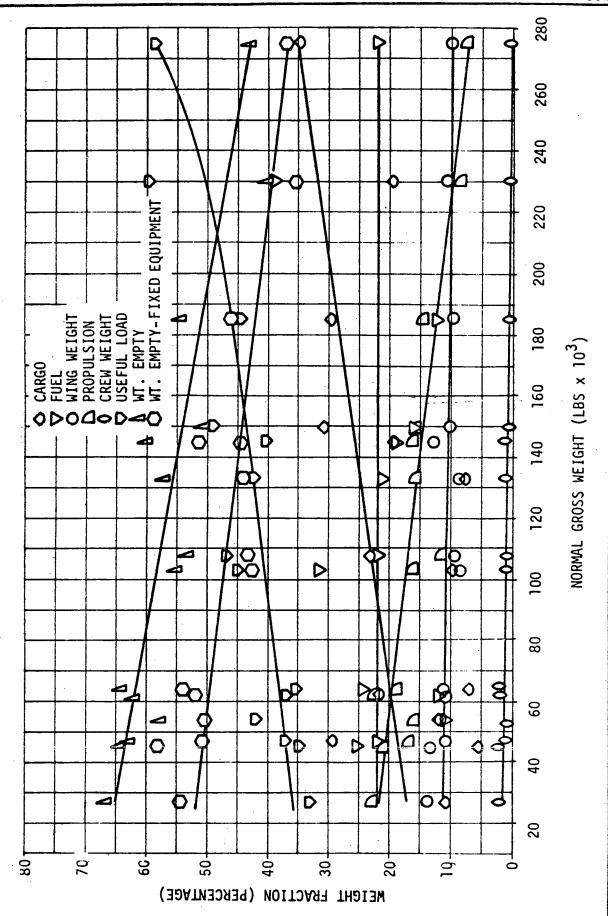
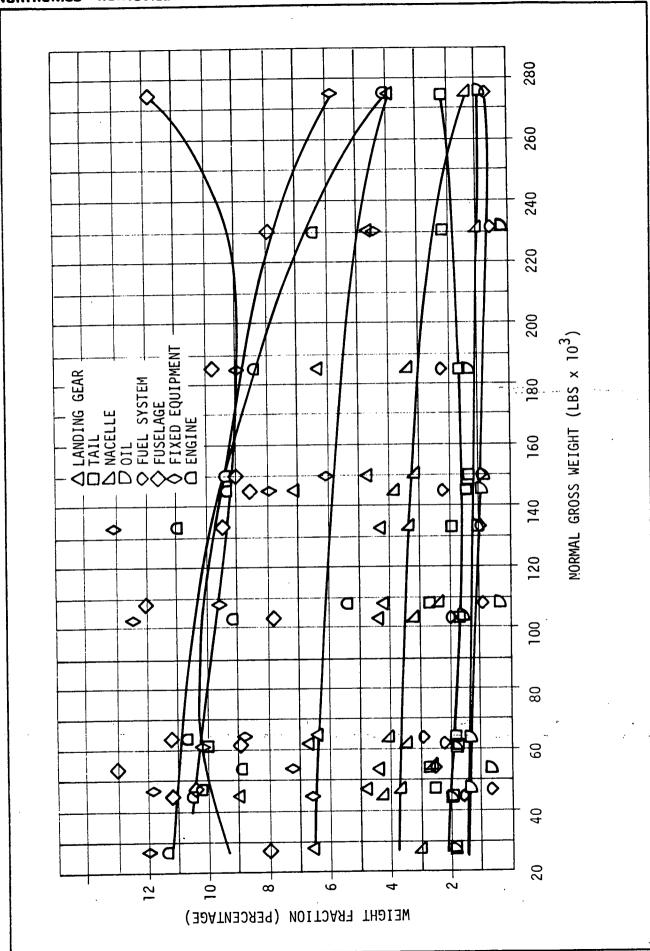


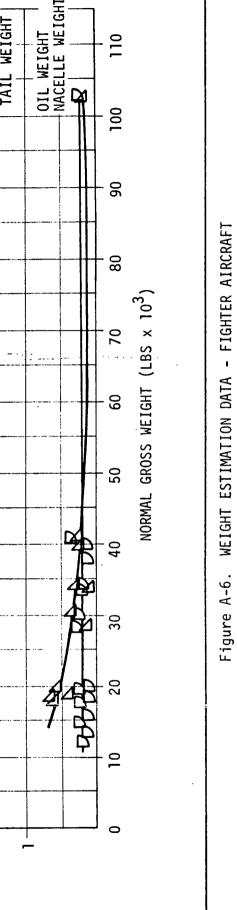
Figure A-3. WEIGHT ESTIMATION DATA' - BOMBER AIRCRAFT











OIL WEIGHT NACELLE WEIGHT GEAR WEIGHT LANDING GWEIGHT TAIL d **य** त्र 4 4 4 00 9 Š WEIGHT FRACTION (PERCENTAGE)

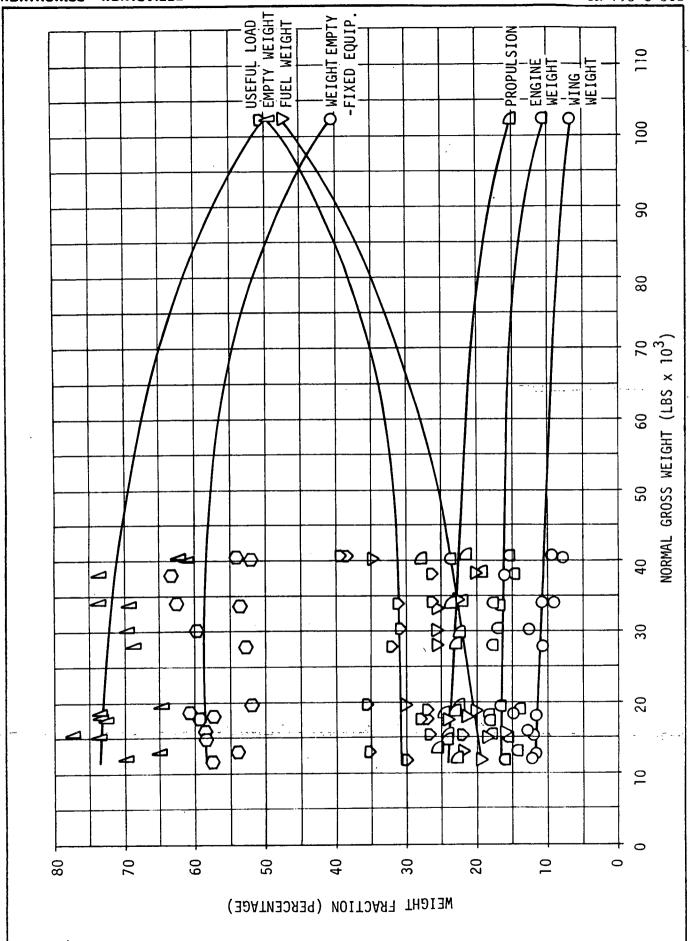
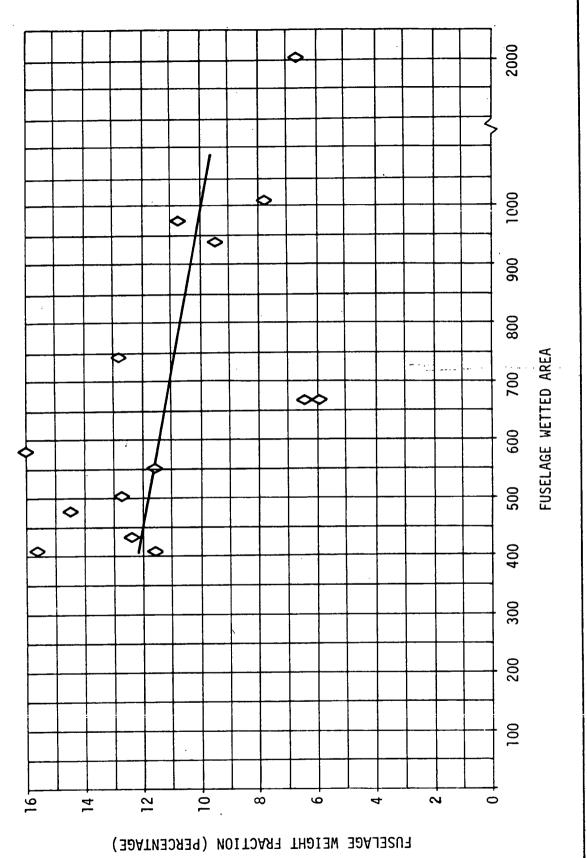
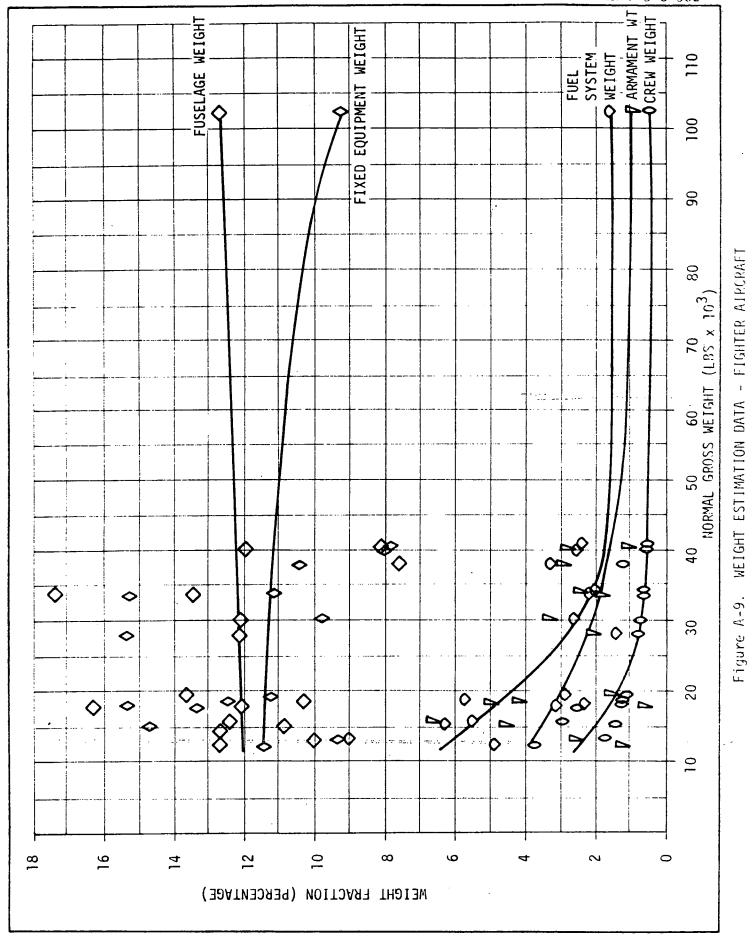


Figure A-7. WEIGHT ESTIMATION DATA - FIGHTER AIRCRAFT

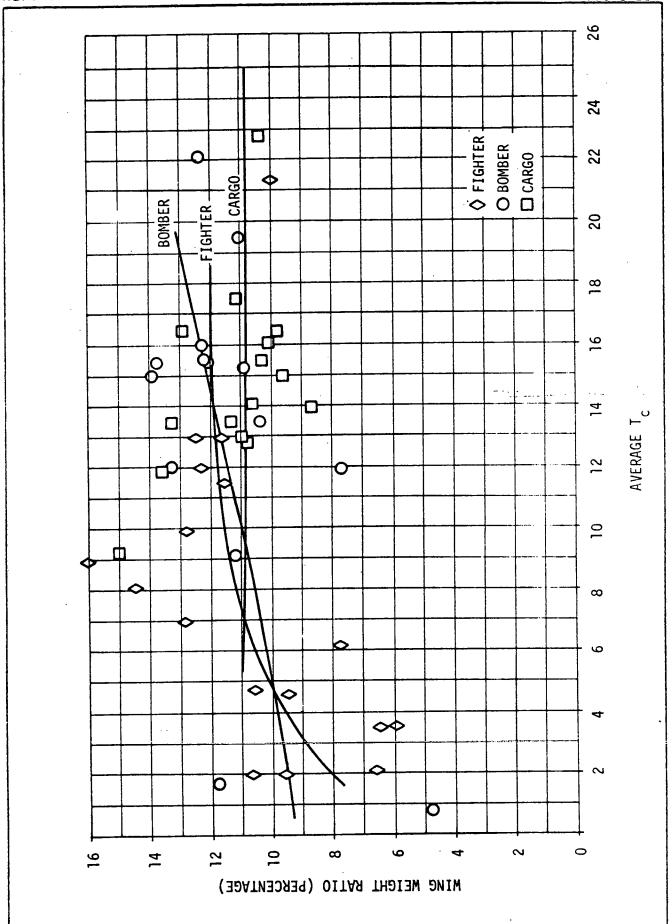






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Figure A-10. WEIGHT ESTIMATION DATA



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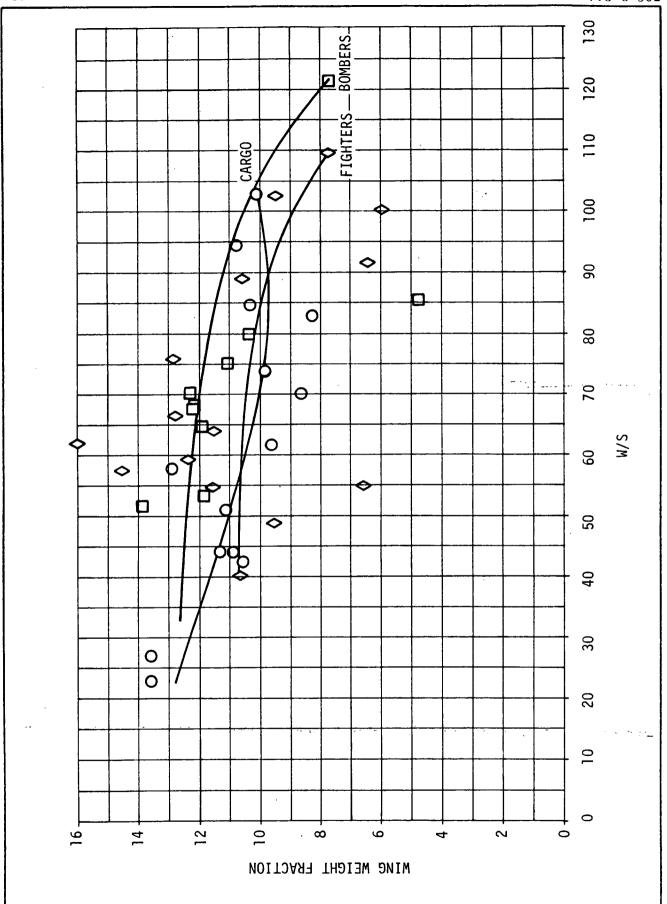
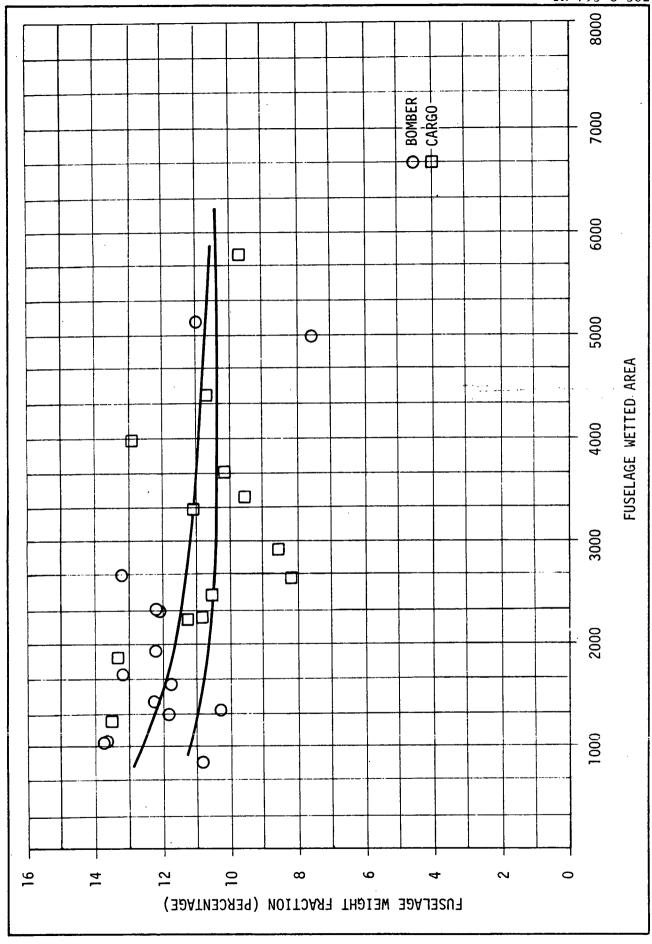


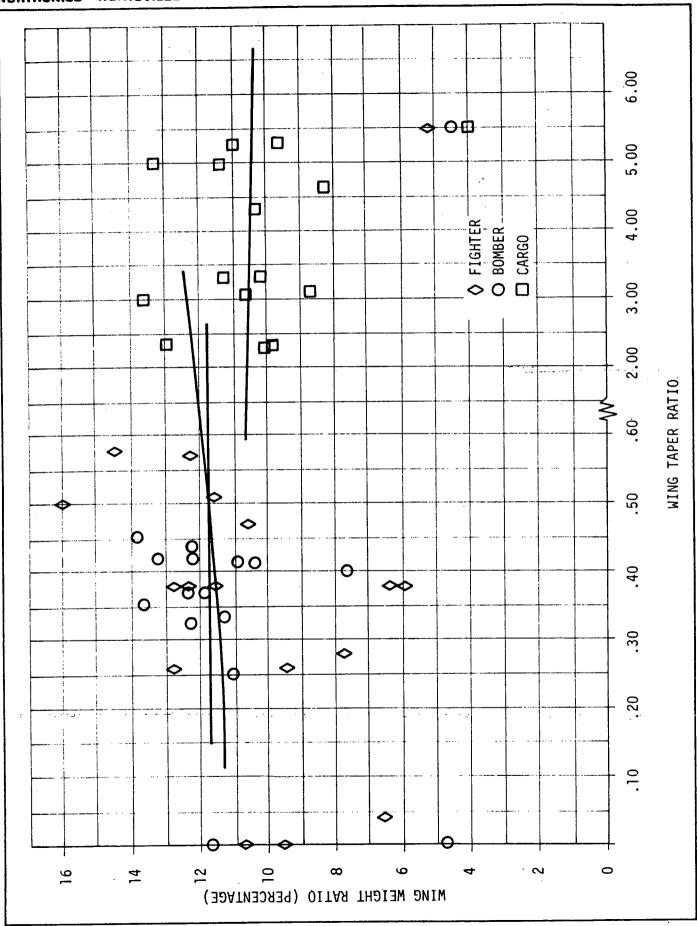
Figure A-11. WEIGHT ESTIMATION DATA

Figure A-12. WEIGHT ESTIMATION DATA

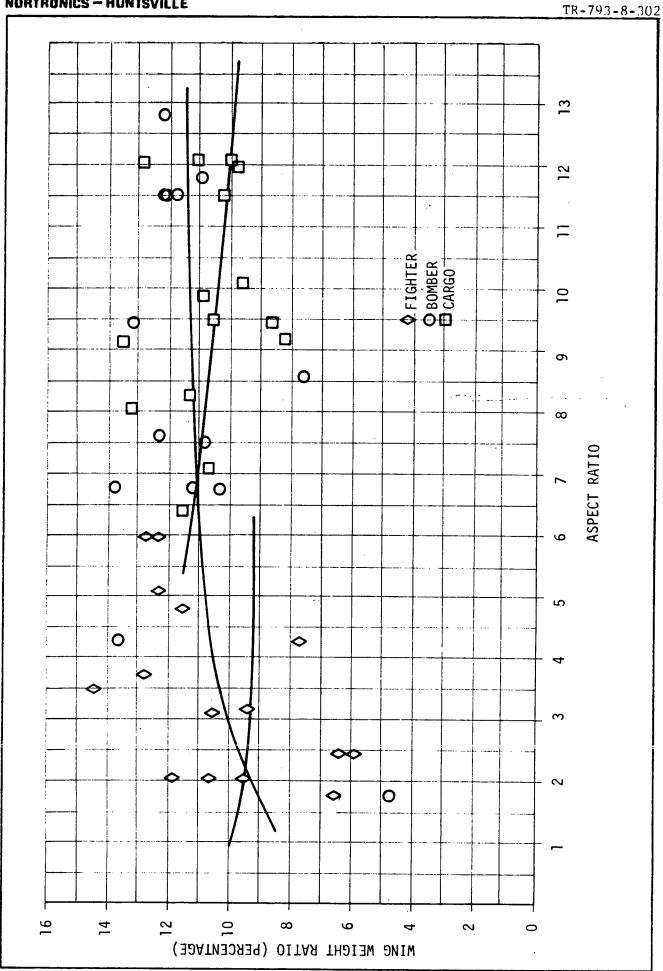


A-34

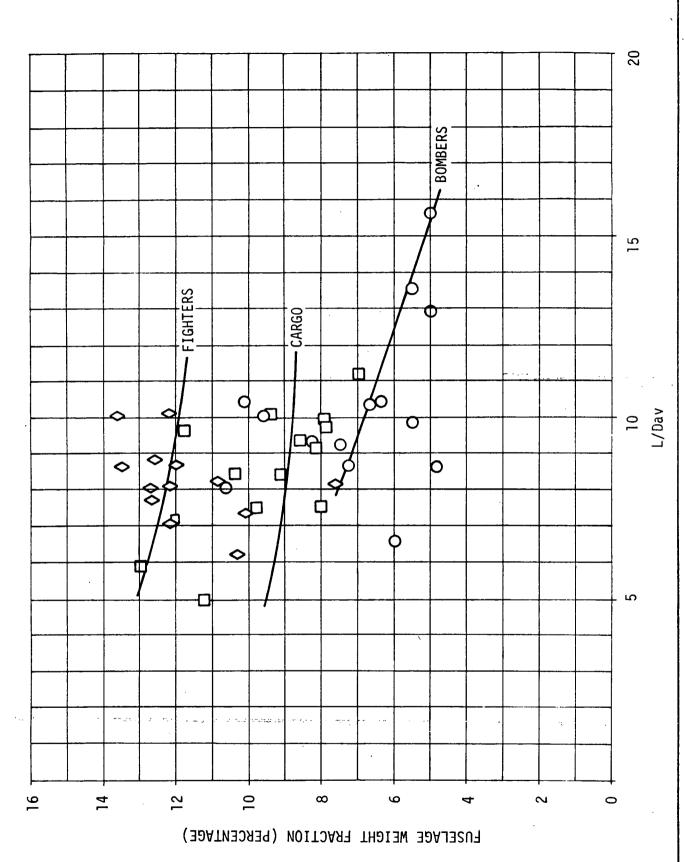
Figure A-13. WEIGHT ESTIMATION DATA



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			/PC1	•	/ u	1.761+4F #2	KL OM	/.968/0F 01	ELAT	2. #10#¥£ \$1	
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	T 1 M AL T	3.6000#F #1 2.31744+ #3	PHI.	2.40004F 03 1.Ac 100F 02	VFL ¿ DPAG	4.384./6 43 4.366/16 41 2.234/46 43	ALPH Ha:M	0 ±01230 04	MACH Den	9.42876E 08 1.77668E-07	
7	BOS BARC	9.45/645 HZ	Prict Trei		74 GV	3.761. JE UZ	41.0%	7.057726 01	- XCAT	7.639476 01	
,	i i m	5.78080F ST	un f	2.4468JE 05	VFL	0.389416 83	44.46 44.46	4.74836£ 01	GAN MACH	5.44921E-02 4.42863E 00	
	AL [†] SOS	2.3177.60 05 0.496910 07	PHI LIFT	1.844805 02	DEAG	2.231346 83 2.76172F 82	GA!H	7.82387E 68	HFO	1./7490E-07 2.83925E 01	
	GARC	-9.7660F HG	THE	Ą	Gv	-9.17y.3F-4n				-1.u/2u4E-81	
	T IM	5.88989F 85	urf ret	2.4003£ 93 1.80000£ 8>	VEL.	9.384'36 83 9.386'36 83 2.23;556 83	#846 #644 #844	0.92121F 01 0 7.82472E 00	MACH MACH	9.92021t 00 1.77520E-07	
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	ethc fib	5.4696+-03 -9.760fug '48	Thei	•	GV	4,43:056-05		*	ijĀŅ.	-4,404]1F-01	
	1111	5.40000p 12	go-t Pi-t	1.70 00 02	7	9.300-16 03 9.50-16 01 2.24-07E F3	ALDH MUJA	V.2/080E 01	MACH	9.4244E 00 1./8203E-07	
	SAS GR	9.45474F 62 9.48377F-15	Libt ZI:CT TMn	9	CA Su Duvi	2.762-3E Ur 6.98-24E-#5	4LON	7.94/50E 01	XLAT	2.636568 01	
	GARC	•9.70000= 00 •.10000= 01_	he-f	2.469035 85	VFL	9.386/76 63	HANG	7.37968E 01	UAM HACH	-0."/U10E-01	
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	HOS	9.445PHF HZ 9.465PHF HZ	1 1F T	0	in On ye	2.294486 H3 2.764466 62 3.237 9e-44	TEUM	/.94/120E 00	41 41	2.03014E 01	•
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	•••	•									
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_	SOS_	9 495735 HZ 9 495735 HZ	11+1 21-51	1.339000 02	DHAG	2.767.4F 02	ALUM	7.92941E 00		1.4/34uk-0/ 2.6//03E 01	
	SAHC	-9.78HOJF 18	144	0	G+	2.6892UE-64	4446	1.04443+ 02		-1.77.507E 00	•
	TIM	6. ANDONN. 6 2. 302245 42	ymi Pul Libī	2.40003C 04 1.3runuC 02		9,34443E 43 9,54441E 41 2,38410E 43	46.3H 14.40	8.35//4E 88	MACH	9.ME052E 00 1.4955/E-07	
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	119	a,⊎a gaut- u1	yw?	e. senate ny	VFL	4,341.01 03	44.46 41.44	1.460216 02		-1.41969E 00 4.87148E 00	
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÷	GAMC	-9,76800+ UH		Č) Gv	3.3144bt-04					
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	4L 7 508	2.24234) H5 9.534516 H2	PHI LIFT	1.15000F 0		9.50001F 01 2.49:/0E 03 7.76658E 77	PL JH	"8.71977E 0	U MPO	1.4/681E-07	
	GANC	-0.78608- nd	1 see		n 6v	4. 485456-34					
	I I M	7.7nnngf 41 2.7444#- 45	Pi-I	2.4640JE 0 1.16000F 0	2 1	9.3935/E 63 9.5001F NI		6.8639/E 11	O MACH	.2.43905E 00 0.83985E 00 2.00417E-01	
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	GANC TIN			2.4een3E 0		9.394738 63	RANG	1.12132€ 0	2 64R	-2.6054#E 00	
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	BANC	1; ##\$7##+61	7001		1 6V	4,7531 UE-84			. 4141		
	7 ! M	7.44088F #1 2.27944F #1	unt 5 PHI	2,46603E 0 1.06000E 0		9.39518E e3 9.58001E 81	AL PH		9 4464)
	308	9,4721VF 04	2 L1FT 2 ZDCT		0 DRAG	2.620-7E 03	UATH YUN			2.007.13E-0	
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	TIM ALT	2,27526F #1 2,27526F #1 9,58637F #1	> 51.1	2.466P.SE 0 9.50009F 8		9.506.36 81 2.641:66 83	DAIP	1.3134/F U	0 44 B	9.4/162E 0) ,
	SOS		5 - 5 LC 1		7 7 A	2.787F9E 17	XC OM		12 - (CA)	2.83525E 0	1
											

	_										
	TIM ALT SOS GR GAMC	7,66000- 61 2,27030- 65 9,66135- 62 1,11066- 62 -9,76006- 60	851 Phi Lift 2001 124	2.446035 95 9.00300F 01 0 0	VFL DRAG ZH GV	9.39//8E 43 9.50//1E 61 2.734/7E 63 2.764/1E 92 6.014/8E-04	HANG ALUH DAIM XLON	1.15710E H2 0 9.57173E 00 7.9.701E 01	GAM MACH MEG XLAT	-3.10463E 00 9.78745E 00 2.16/56E-07 2.83584E 01	
	TIM ALT SOS GR GAMC	7,769985 61 2,26595 85 9,61714 82 1,13565E-82 -9,7689E 88	>=1 P=1 L3F1 ZCT	2.46603E 05 8.5000E 01 0	VFL 7 DRAG ZH GV	9.39× 3E 03 9.500×1E 01 2.800×9E 03 2.764×2E 02 6.47× 4E-8*	RANG HUPH MIAD NGJX	1.18244E U2 0 9.75273E UU 7.98446E 01	GAY MACH MFU ALAT	-3.2/099E 08 9.77259E 00 2.21503E-07 2.83481E 01	
	TIM ALT SOS GR GAME	7.80000- 01 2.2555# 05 9.63375- 02 1.16248-02	West Pest List ZBCT	2.46803E 05 9.063006 01	VFL Z DRAG ZP GV	9.3997 66 93 9.500916 01 2.866726 63 2.766746 92 6.967956 94	RANG ALPH QAIM XLON	1.19//1E 62 0 1.09101E 01 /.95194E 01	GAM MACH NEO XLAT	-3.4371/E 00 9./5704E 00 2.26592E-07 2.83459E 01	
	TIM ALT SOS GR GAME	7.9000 to 01 2.253516 05 9.55116 02 1.191256-02 -9.700006 00	BHI PHI LIFT ZUCT	2.465636 05 7.566006 01 0	VFL Z DRAG ZP GV	9,40096 03 9,500916 01 2,93796 03 2,769 56 62 7,487,46-54	HANG ALPH DATH ALUN	1.2:299E 02 0 1.02537F 01 7.69941E 01	GAM MACH MFO XLAT	-3.50339E 00 9.7408E 00 2.32042E-07 2.83437E 01	
:	TIM ALT SOS GR GAMC	9.60H/#= 81 2.24776m H9 9.66428H HZ 1.22705-92	H=1 Pol () 7.001 Ton	2.44505£ 05 2.91969# 01 0	VFL 7 GFAG 79	9,40,13E -3 9,500-1F 01 3,015EE 03 9,70-00E 07 8,03409E-14	MANG ALPH GAIM ALUN	.22027E 02 0 1.00142F 01 7.60687E 01	. GAM MACH Med XLAT	-3./c955E A0 9./2392E OU 2.3786/E-07 2.83415E O1	
:	TIM ALT SOS GR GAME	8.100000 01 2.201446 05 9.648256 02 1.254976 00	PHI CIFT ZDCT THE	>.46003E 05 6.5000F 01 0	VFL Z DRAG VA GV	9,403-7E 03 9,500-1F 01 4,0947-6 93 2,769/7E -02 8,615 3E-04	HANG ALPH GAIM XLUN	1.24354E 02 0 1.07925E 01 2.89434E 01	MACH MACH MHO MLAI	-3.43572E 90 9.70638E 80 2.44089E-07 2.43393E 81	
*	TIM ALT SOS GR GAMC	e.2n8p8+ 01 2.2346+ 02 9.7079+ 02 1.29611+ 02 -9.708086 66	#* 1 P* 1 L 1+ T Z 1CT	9.44m736 45 6.007096 01 0 0	VFL / DRAG 7# GV	9.405/7E 63 9.500:1E 01 3.180:4E 03 2.770:8E 02 9.22/59E-04	HANG ALPH GATH XLON	.25662E 02 0 1.1.645E 01 7.84161E 01	GAM MACH NPO ALAT	-4.10181E 00 9.00820E 00 2.007765-07 2.03371E 01	
,	TIM ALT SOS GR GAMC	8.38088F 61 2.22794F 35 9.7284F 42 1.32759F-82 -9.76868 69	6-1 P-1 LIFT 2001 T-1	2.46603E 05 5.50000E 01 U	VFL / DKAG 79	9.40e/56 03 9.50u11E 03 3.273/96 03 2.77u-96 02 9.874c76-04	HANG ALPH GATM KLUN	1.2/409F 02 0 :.14063E 01 /.86927E 01	GAM MACH MEO KLAI	-4.76/86E 00 9.6699E 00 2.57801E-07 2.83348E 01	
	TIM ALT SOS GR GAMC	5.40000 01 2.22095 05 9.74976 02 1.36756F-02 -9.70000 00	NH1 PHI LIFT 2007	2.46603E 05 5160603E 01 0	VFL Z DPAR 76 GV	9,408~9E 93 9,5001E 61 3,372~4E 03 2,77%9E 02 1,977 4E-03	HANG ALPH GATM XLON	1.25737E 02 0 1.17438E 01 7.89674E 01	GAH MACH HEO KLAT	-4.43380E NU y.64997E NU 2.05337E-07 2:03326E:01	
	PHT R	EACHED							•••••		
	TIM ALT SOS	8.50000F 01 2.21344F 05 9.77181F 02 1.41014F-02	HHT PHT LIFT ZPCT	2.46503E 85 4.51100E 01 0	VFL / DPAIL	9.41d 9E 83 9.58041E 11 3.47145E 83	HANG ALPH GAIM	1.314656 #2 U 1.21432F #1 7.83426E #1	MACH MACH MPU MPU	-4.579MHE NU 9.67474E NO 2.7354E 01	
	GAMC	-y,7ngan≟ pi	1	. "	G.r	1.150H76-10					
-ប	TIM ALT SOS GR GAMC	8.60000 71 2.20576F 85 9.79462F 82 1.45546-82 -9.70006-00	WHI PHI LIFT ZICT IMM	2.4tn:36 05 4 500006 01 0 0	VEL / DRAG JA	v.4117/6 (3 v.50) (6) (3.56v.76 (3 2.771) (8) (2 1.20v.36-) (3	MANG ALPH GATH ALGA	1.24657F 01 1.24657F 01	GAM MACH MHI ALA:	-4./6569E 00 9.05932E 00 2.01892E-07 2.03222E 01	
	TIM ALT SOS GR GAMC	5.780005 01 2.107606 05 9.818196 02 1.503755-02 -9.70000 00	801 PET LIFT 70CT THE	2.46503E C5 4.55005E 81 9 0	VFL / OF 46 / / GV	9.413 PUE US 9.53 PIE H1 3.716.9E NS 2.77159E UZ 1.29271E-US	HANG ALDH GAIN XLON	.5552HE 02 0 1.28927E 01 .87913E 01	HAM HACH MEO YLAT	-4.93157E 00 9.58m12E 00 2.94967E-07 2.93260E 01	
	ITM AUT SOS GR GAMC	5.80000 01 2.1895/F 62 9.84251F 62 1.5551(c=62 -9.70600F 00	WHI PHI LIFT ZGCT THE	2.46603F 05 4.50006F 01 0	VFL Z BFAG ZH GV	9.415 UE 93 9.50001E 03 3.63495E 93 2.77;59E 02 1.361;7E-93	RANG ALPH GAIH NUN	3504/E 62 372554 01 /.87060F 01	44M MACH MFO 4LA3	-5. 4730E 00 4.56635E 00 3.0014E-07 2.65237E 01	
	TIM ALT SOS SR GAME	6.900005 01 2.15107- 05 9.667575 02 1.609737-02 -9.70000- 00	##1 P=1 L(FT 2007 Tr4	2.4/363E 05 4.50903E 05 0	VFL / UPAG /4 GV	9.417.08 H3 9.500 15 H1 3.900 46 S 2.772196 Cr 1.476776-03	HANG ALPH GAIM XUON	1.31975E + 2 d 1.31657F 01 7.87406F 01	GAM HAC~ HFU KLAT	-5.243020 00 9.544050 00 3.10056-07 2.622356 01	
; ;	TIM ALT SOS GR GAME	9.00000 01 2.17230 02 9.89330 02 1.36777F-02 -9.70600 00	Hel Pel Lift Zitt	2.46603h 05 4.569006 01 	VFL Z DPAR ZR GV	9,419-86 03 9,500-16 01 4,110-16 03 2,772-66 12 1,577-76-03	RANG ALPH GATH KLON	1.38102E 02 3 1.40746E 01 7.67153F 61	440 440 440 440 444	-5.4686/E 00 9.56/E0E 00 3.6/756E-07 2.8/1936 01	
	TIM ALT SOS GR GAMC	9.10000 01 2.16375F 65 9.91995 52 11.7959F-62 -9.70000 00	WH! FH! L!!!! 75CT THE	2.4r603F 05 4.50003F 01	VFL Z DRAG ZE GV	9,42 66 84 9,500 16 64 9,500 16 64 2,772 68 62 1,646:66-63	HANG ALPH GIIM KLON	- 34630F 82 0 - 1.47942E 81 7.86899F 71	GAM MACH MEG XLA!	-5.59425E NO 9.49782E GU 3.4325E-67 2.83171E N1	
	TIM AET SOS GR GAMC	4.2000HF 01 2.15343F 05 9.44719F 02 1.70526F-02 -9.7000nF 50	WHI FHI LIFT ZDCT	2.46503F 05 4.57000E 01 0	VFL 7 URAG ZA GV	9.42 594E 13 9.50 691E 61 4.427 7E 03 2.773 7E 02 1.80169E-03	HANG ALPH QAIH Xt Ob	1.3/4676 %1 7.86640F 31	GAM MACH MFO ALAT	-5./54/96 00 9.4/3936 00 3.456046-07 2.631496 01	
	TIM ALT SOS GR GAMC	9.30000= 01 2.14433= 05 9.97518= 02 1.84507=-02 -9.7000= 00	WHI PHI LIFT ZEGT THE	2.466946 05 4.599996 01 0	VFL Z DRAG ZB GV	9.426196 03 9.59611E 01 4.599626 03 2.773.6E 02 1.92563E-03	RANG ALPH GATH XLON	1.42684E 02 0 1.59334E 01 7.86393E 01	GAM MACH MEO XLAT	-5.92524E 0U 9.4495E,00 3.58653E-07 2.83127E 01	· ···· ·-
	TIM ALT SOS GR GAMC	9.40000F 01 2.13447/ 05 1.00039- 03 1.93927F-02 -9.70000- 00	947 F41 L1FT Z0LT T44	2.46mm35 05 4.500006 nt 0 0	VEL Z DRAG ZR GV	9.42879E %3 9.50%01E 81 4.782×0E %3 2.77565E 02 2.85759E-03	HANG ALPH DATM YLON	1.44212F 42 u 4.65566F 01 7.86139E 01	GAM MACH RED ALAI	-6.09063E 00 9.42460E 00 3.7/504E-07 2.03104E 01	
	IJM ALT SOS GR. GAMC	9.50800- 01 2.12432- 05 1.60334- 03 2.618145-62 -9.76900- 00	WHI FHI LIFT 70CT THE	2.44503E 85 4.5/000E 01	VEL Z DPAG ZP GV	9.43-65E 03 9.50361E 01 4.976/9E 03 2.773/4E 02 2.199/7E-03	HANG ALPH GATM XLON	1.45/39E #2 J 1.7918/F 91 7.85886F 91	MACH HEQ XLAT	-0.25545E 00 9.39934E 00 3.8729E-07 2.678P2E 01	
	T [H	9,67000- 11	` whi	2.466P3E 05	Vti	9.433-16-65	₩G	1.4/2661 02	u A M	-6.42120E 90	

	AL F SOS	2,11391- of 1,606346 03	ENT LIFT	4.554068 ()1 / ŋ DHA:i	9.50m 1F 01 5.16a-1E (3	AL PH GAIM	0 1.79219F 91	HACH O+H	9.37355E 00 4.02822E-07		
	GR GAMC	2.1619A02	71-21 14-4		9 KF	2.774-3E 62 2.354/6E-63	ALON	7.85032E 01	XLAT	2.83000E 01	•	
	TIM	9.7mgca: 61	y=1	2.46693E 0		9.43542E 63	HANG	L.48/94F N2	SAM	-6.28637E 00		
٠	ALT	2.103234 65	Fri	4.5000E 0		9.50+ 1F +1	ALPH QAIM	0	HACH	9.34/31E 00 4.19397E-07		
	SOS GR	1 00943r Pa 2.1910A5-04	1.1FT. 2007		G 7P	2.774-2F 02	XL DN	86689E 01 2.85379E 01	KLA)	2.84938E 01		
	GAMC	-9.70CP0F #0	144		3 Gv	2.513176-63						
-	T E M	9.80000÷ 01	PHI or	2.46663E T	1 2	9.43/raF 43 9.504 16 01	ALPH ALPH	1.513216 62	GAM MACH	-6./5146E 00 9.3264E 00		**
	SOS UR	1.012585 93 2.285775-42	2 0 C T		0 DEV.	2.774. DE 12	GA!M XLON	1.94624E 01 7.85126F 01	MF D	4.36995E-07 2.83016E 01		
	GAMC	-9.7000p- au	IHA		a Gv	2.68//16-93						
	T [M	9.900005 01 2.98104F 05	 	2.46693E (7	9.444.95 03	HANG	1.51846F 62	GAM MACH	-0.91648E 00		• -
	SOS Gr	1.815mgm 43 2.38644F-82	LEFT		0 USAG	15.84513E 03	ME ON	2.03053E 01 7.84672E 01	KF Q.*	4.55674E-07 2.82994E 01		
	GAMC.	-9.7000GF 10	inn		0 Gv	7.87361F-#3						
-	TIM	1.0000m+ 42 2.06954 00	941 Fal	2.46AB3E 0		9.44244E 65	HA4G ALFH	1.53375F 02	HACH.	-7.081426 00 9.26607E 00		
	SOS GR	1.01909- 03 2.4034A02	LIFT ZDGT		n 0⊬43 n z⊌	6.14554E 03 2.77537E 02	GA FM KLUN	2.12007e 01 7.84619E 01	HFO XLAT	4./5518E-97 2.82971E 01		
	GAMC	-9.76006- 56°	T+-4		o GV	3.071936-03	*(0.4		,	2.024/16 01		
	TIM	1.010002	u-, f	2.400035 (9.445-3E 05	HANG	1.549025 62	GAM	-/.2462at 00		
	SOS	2.05775- 45	E I F T		0 (1946)	9.50- 1E 01 6.42-1E 03	ALFH QATH	2.2:521E 91	MACH.	9.23819E 00 4.96583E-07		
	GR Gamc	2.64723F-42 19.70609- 40	711CT		0 ZR 0 GV	2.77565E 02 3.28562E-03	XL UN	7.84365E 01	ALAT	2.82949E 01		
	TIM	1.02900= 32	WHI	2.46663F 0		9.448178 03	RANG	1.554276 02	GAM	-7.41106E 00		
	SOS	1.0258/- 15	LIFT		3 DHAG	9.50001F 01 6.727-3E 03	AL PH UATM	2.3.629E 91	HP O	9.24994E 00 5.18954E-07		
	GR GAMC	2,72620F=02	2 10 T 160		0 ZH 0 GV	7.775 4E 62 3.519:3E-93	* L G N	7.84112E 01	ALAI	2.829278 01	•	
	TIM	1.03000- 02	≽ ⊢1	2.46603E 0	•	9.45: 546 83	RANG	1.57956E #2	GAM	-7.5/576E 00		
•	SOS	2.03338F 05 1.02936F 03	FHT	4.5.00 F 0		9.500FIE 01" 7.045-3F 03	GAIM	2.4/3/1E 61	HACH HED	9.1d132E 00 5.4271.E-07		-
	GR GAMC	2.8568302 -9.788991 68	27 L T	•	0 78 1 GV	2.77A-2E 02	x L UN	7.838596 01	AL AT	2.02905€ 01		
			he:				244.6				And the second of the second o	
-	TIM ALT	2.02078F 35	PHI	2.46093F G 4.50000F 0	77	9.45355E #3	HANG TEPH	59483E 02	HACH.	9.15235E 00		
	SOS	1.03241F J3 2.99362F-22	LIFT 2007		3 2A	7.382 7E #3 2.776-06 62	QAIM XLGN	7.53785E 01 7.83605E 01	HFO KLAI	5.67945E-07 2.82883E 01	•	
	GAMC	-9.7000t- 00	[Ma		3 Gv	4.031-46-03						
	TIM	1.05040F #5	##! F#!	2.46603F 0 4.50630E 0	7	9.476 01 U3 9.59 (15 U1	HANG ACPH	:.6'01:F 52	- HACH-	-7.40490E 00 9.12304E 00		•••
	SOS GR	1.03653F 03 3.13911F-12	ZICT) DHAG	7.74:14E US 2.776-6E US	GATH ALON	7.65917F 01 7.85352F 01	AFO XLAT	5.9475ub-07 2.82861E 01		
	GAMC	-9,70000÷ 00	THA		3 GV	4.517. uE-us						
	TIM ALT	1.06603- 42	1 HH	2.46n03F 0		9.459-7E H3 9.509-1E H1	HANG -	1.6/2571 52	GAM MACH	-d.46934E 00	*	
	sos	1.040216 63	LIFT		DAMO 0	8.122.7E 03	MIAD	78813H U1	4►0	6.232255-07		
	G.P.	3 203675.02	CLET		a /B	9 777. he i	wi (she	: m.v20E (c)		7 - 2442h 8a		
	GR GAMC	3.293678-92 -9.70000F-90	Z¹ € T T≔jri		3 /A 0 Gv	2,777,56 i.z. 4,620056-03	XE UN	7.8%09 9 E-01	AL AT	2.028/8E 01		
	_GAMC TIM	1.07000- 92	रल्ल भवा	2.46503E 9	0 GV 5 VFL	4.67215E-03 9.461-7E (3	HANG	:.64u64E b2	y å pr	-a.243696 AU		
3	GAMC TIM ALT SOS	1.07000- 92 1.98136- 05 1.04396- 45	Tegi sel Pet List	2.40603E 0 4.5000E U	0 GV 5 VEL 1 / 0 DHA4	4.67/15E-03 9.461-7E (3 9.50/ 1E 01 8.574/0F 03	HANG ALPH GA: M	1.64064E 02 0 2.92521E 01	MPCH MPCH	-0.243696 AU 9.065476 AU 6.734816-07		
:	GAMC_ TIM ALT	1.07000- 02 1.98136- 05	Teși nel Pet	2.40503F 0 4.5000E 0	0 GV 5 VFL 1 /	4.67015E-03 9.461-7E (3 9.566 1E 01	HANG ALPH	:.64u64E b2	GAM MACH	-0.2'36yt Nu 9,u6347t Nu		• •
3 _	GAMC TIM ALT SOS GR GAMC	-y.70000- 92 1.07000- 92 1.98136- 65 1.04396- 43 3.4885032 -y.70000- 00	Tem well Perf List Zird Tem Well	2.40003E 0 4.50000E 0 2.40603E 0	0 GV 5 VFL 1 / 6 DM44 6 ZM H GV 5 VFL	4.67.49E-03 9.461-7E-03 9.36-1E-01 8.374/0E-03 2.777/3E-03 9.464/0E-03	HANG ALPH GA: H XLUN HANG	1.640648 02 0 2.475718 01 7.878458 01	GAM MACH MFO XLAT	-0.2'369E NU 9.06349E 90 6.73461E-07 2.02876E 71		•••
:	GAMC TIM ALT SOS GR GAMC TIM ALT SOS	1.07000- 92 1.08136- 65 1.08136- 65 1.08396- 65 5.48850- 82 -9.70000- 60 1.08000- 82 1.067671- 5	THE HALL LIFT ZOUT THE HALL HALL HALL HALL HALL HALL HALL HA	2.40003F 9 4.50000E 0 2.40603F 0 4.50000E 0	0 GV 5 VFL 1 / 6 0944 6 24 1 GV 5 VFL 1 / 6 0941	4.62075E-03 9.461-7E-03 9.50.1E-01 8.52740E-03 2.777/3E-02 4.95745E-03 9.46470E-03 9.50471E-01 9.96471E-01	HANG ALPH GA-M XLUN HANG ALPH GAIM	:.640648 02 0 2.495218 01 7.82845E 01 1.655918 02 3.073468 01	GAM MACH XLAT GAM MACH MFO	-0.2'369 00 9.06369 00 0.73681 07 2.62816 71 -8.39796 00 9.03519 00 0.756316 07		
: -	GAMC TIM ALT SOS GR GAMC TIM ALT	1,07000- 92 1,98136- 65 1,04396- 65 3,48890- 22 -9,70000- 82 1,867671 -2	THE MAI PAI LIST ZPOT THE MAI PAI	2.40003E 0 4.5000E 0 2.40603E 0 4.50050E 0	0 GV 5 VEL 1 / 6 0H44 6 24 1 GV 5 VEL 1 CV	4.67.55E-03 9.461-7E-03 9.50-1E-01 8.574-6E-03 2.777-3E-07 4.954-5E-03 9.464-0E-03 9.500-1E-01	HANG ALPH GA: H XLUN HANG ALPH	:.64064E 02 0 47521E 01 47645E 01 :.67541E 02	GAM HACH XLAI GAM HACH	-0.2'369E 0U 9.06347E 00 6.73461E-07 2.02015E 01 -8.39790E 0U 9.03519E 00		
-	GAMC TIM ALT SOS GR GAMC TIM ALT SOS	1,07000-92 1,98136-65 1,04396-65 3,48850-32 -9,70000-00 1,88000-2 1,967671-2 1,04777-33	Teginer to the second s	2.40003E 0 4.5000E 0 2.40603E 0 4.50050E 0	0 GV 5 VEL 1 / G OMA-4 6 ZH 3 GV 5 VFL 1 / G OFFA-1 7 ZH 0 OFFA-1 7 ZH 0 OFFA-1	4.62/r5E-03 9.461-7E-03 9.301-8E-03 8.374/08-63 8.374/08-63 9.304/0E-03 9.504/0E-03 9.504/0E-03 9.774/0E-03 9.464/4E-03 9.464/4E-03	HANG ALPH GA-M XLUN HANG ALPH GAIM	:.640648 02 0 2.495218 01 7.82845E 01 1.655918 02 3.073468 01	GAM MACH XLAT GAM MACH MFO	-0.2'SEYE 00 9.06'59=00 0.73461E-07 2.06'0E 01 -8.39790E 00 9.05519E 00 0.75631E-07 2.06794E 01		
:	GAMC TIM ALT SOS GR GAMC TIM ALT SOS UR GAMC	-v.7003F - vl 1.0700F - 82 1.98436- 65 1.04396- 43 3.448502 4.76006- 40 1.04006- 40 1.04006- 40 1.04006- 40 1.04006- 40 1.04006- 40 1.04006- 40 1.04006- 40 1.04006- 40 1.04006- 40 1.04006- 40 1.04006- 40	Teni mel pert ilet Viot The ser per ilet 20ct The	2.4003F 8 4.57000E 0 2.4003F 8 4.5005E 0	0 GV 5 VEL 1 / G DWA 6 ZW 1 GV 5 VFL 1 OFA 7 OFA	4.62/19E-03 9.461-7E (3 9.50- km (6 13 2.777/3E (7 4.50-76-6) 9.50-76-6 9.50-76-6 9.50-76-6 9.777/4E (7 5.30-76-03	HANG ALPH GA: M KLUN HANG ALPH GA: M	1.6406F 02 2.9252F 01 7.82845F 01 1.62946F 01 1.62946F 01 7.82592F 01 1.67117F 02	GAM MACH KED XUAT GAM MACH MED XUAT	-a.2'seyt 00 9.06'45-07 0.73461t-07 2.62816E 01 -8.397966 00 9.035196 00 0.056316-07 2.62794E 01 -d.76213E 00 9.05234E 00		
	GAMC TIM ALT SOS GR GAMC TIM ALT SOS UR GAMC	1.070n-92 1.04396-03 1.04396-03 3.44820-2 9.76000-00 1.09006-02 1.09777-03 3.63366-02 -9.76000-00 1.09006-2 1.09571-02 1.95571-02 3.63364-02 3.6344-02	Tent Hell Pet List Ziot The Hell List Pet List Rhi Pet Rhi Pet	2.46603F 9 4.57000F 0 2.46603F 0 4.57050F 0 4.57050E 0	5 VEL 1 (0 MA-4 6 0 MA-4 7 2 VEL 1 (0 VA-4 7 2 V	4.62/rbE-03 9.461-7E-03 9.59-1E-01 8.52/roE-03 2.777/3E-02 9.50-01E-03 9.50-01E-03 9.77/riE-02 9.46/riE-03 9.46/riE-03 9.46/riE-03 9.46/riE-03 9.46/riE-03 9.46/riE-03 9.46/riE-03 9.46/riE-03 9.46/riE-03 9.42/riE-03 9.44/r	HANG ALPH GA-M XLUN HANG ALPH XLUN HANG ALPH	1.640646 02 2.495216 01 7.828456 01 1.655926 01 7.875926 01 1.671176 02	GAM MACH MED XLAT GAM MACH MED XLAT	-a.2'5694 0U 9.46592 90 9.354914-07 2.362016 91 -8.397966 0U 9.435194 00 9.43514-07 2.367944 01		
:	GAMC TIM ALT SOS GR GAMC	1.0700-20 1.0700-30 1.04394-33 3.48991-32 9.70000-00 1.09004-32 1.04777-03 3.63366-32 -9.70000-11 1.09004-32 1.95371-23 3.83384-32 -9.70000-00	Teg well Pet List The Set List ZOCT The Set List ZOCT The Set List ZOCT The Set List ZOCT The Set List ZOCT The Set List ZOCT The Set List ZOCT The Set List ZOCT The Set List ZOCT The Set List ZOCT The Set List ZOCT The Set List Set Set Set Set Set Set Set Set Set Se	2.46603E 9 4.57000E 0 2.46603E 4.55060E 0	5 VEL 1 / MA-1 6 24 1 GV 5 VFL 1 GV 5 VFL 1 CV 5 VFL 1 7 GV 5 VFL 1 7 GV 6 OPAG 6 OPAG 7 FL	4.62/19E-03 9.461-7E-03 9.501-19E-03 2.777/3E-03 9.464/0E-03 9.464/0E-03 9.464/0E-03 9.464/0E-03 9.464/0E-03	HANG ALPH GA-H TLUN HANG ALPH WANG ALPH WANG ALPH XLUN	1.6406F U2 0 7.87571E 01 7.87845F 01 1.65717F 02 5.07376F 01 1.67117F 02 0.27593F 01 7.87339F 01	GAM MACH MHO XUAT GAM MACH MHO XUAT GAM MACH MACH MACH MACH MACH MACH MACH MA	-a.2'36yt 00 9.06347E 90 9.73461E-07 2.62816E 91 -8.39796E 00 9.03519E 07 2.62794E 01 -4.70213E 00 9.05234E 00 9.0524E 00 9.052777E 01		
-	GAMC TIM ALT SOS GR GAMC TIM ALT SOS GR GAMC TIM ALT SOS GR GAMC TIM ALT		Tem mel pel total t	2.46603F 9 4.50000F 0 2.46603F 0 4.50000E 0 2.46603F 0 4.50000E 0	5 VEL 1 CV	4.62/19E-03 9.461-7E-03 9.501-19E-03 2.777/3E-03 9.501-1E-03 9.464/1E-03 9.77/4E-03 9.464/1E-03	HANG ALPH RLUN HANG ALPH WAIM HANG ALPH WLUN HANG ALPH HANG ALPH	:.04004F U2 0 7.47571E 01 7.47845F 01 1.67074F 01 7.47597F 01 1.67117F 02 5.27593F 01 7.87339F 01 1.64044E U2	GAM MACH MED XLAT GAM MACH MACH MACH MACH MACH GAM MACH	-a.2'36yt 00 9.06347E 90 9.73461E-07 2.62816E 91 -8.39796E 00 9.03519E 07 2.62794E 01 -4.76235E 00 9.0524E 00 7.18797E 01 -6.7262E 00 9.7180E 00		
- -	GAMC TIM ALT SOS GR GAMC		Tem Bell Per Clet Clet Clet Clet Clet Clet Clet Cle	2.46603F 9 4.50000F 0 2.46603F 0 4.50000E 0 2.46603F 0 4.50000E 0	5 VFL 1 (4.62/15E-03 9.461-7E-03 9.791-8E-03 9.777/3E-03 9.777/3E-03 9.777/3E-03 9.50-01E-03 9.777/3E-03 9.777/3E-03 9.777/3E-03 9.46/4E-03 9.46/4E-03 9.46/4E-03 9.47/3E-03 9.47/3E-05 9.47/3E-06 9.47/3E-	HANG ALPH SA-M XLUN HANG ALPH VAIM XLUN HANG ALPH VAIM VAIM	1.640646 U2 0 2.49521E 01 7.87645E 01 1.67046E 01 7.87592E 01 1.67117E 02 0.22593E 01 1.687339E 01	GAM MACH MACH MACH MACH MACH MACH MACH MA	-0.2'5eyt 00 9.06'49e 00 6.75461t-07 2.06'06E 01 -8.597906 0v 9.055196 00 6.755196 01 -0.756196 01 -0.75616-07 2.07796 01 -0.75616-07 2.07776 01		
- -	GAMC TIM ALT SOS GR GAMC	1.0700-20 1.0700-20 1.04394-3 3.4850-32 9.70100-00 1.080707-3 3.03266-32 1.04777-3 3.03366-32 1.0900-00 1.	Tem mel mel per the T	2.46603F 9 4.50000F 0 2.46603F 0 4.50000E 0 2.46603F 0 4.50000E 0	5 VEL 1 (DW-1: 6 (DW-1: 7 (DW-	4.62/15E-03 9.461-7E-13 9.790-16-13 2.777/3E-03 9.50/16-03 9.50/16-03 2.777/16-03 9.50/16-03 9.50/16-03 9.777/16-03 9.46/14E-03 9.50/16-03 9.46/14E-03 9.46/14E-03 9.46/14E-03 9.46/14E-03 9.47/16-06-06 9.47/16-06 9.47	HANG ALPH GA:M ELUN HANG ALPH GAIM XLUN HANG ALPH GAIM XLUN HANG ALPH GAIM XLUN	1.640646 U2 0 7.475716 01 7.475456 01 1.6774766 01 7.475727 01 1.671177 02 5.275936 01 7.873396 01 1.646446 U2 0.3390736 01	GAM MACH MACH MACH MACH MACH MACH MACH MA	-a.2'36yt 00 9.06349t 90 9.06349t 90 9.03616t 91 -8.39796t 00 9.03519t 00 -0.05631t-07 2.6-794t 01 -d.26235t 00 9.09264t 00 7.107976t 01 -b.72672t 01 -b.72672t 00 7.20111t-07 2.0779t 01		
: -	GAMC TIM ALT SOS GAMC TIM ALT SOS GAMC TIM ALT SOS GAMC TIM ALT SOS GAMC TIM ALT ALT ALT ALT ALT	1.0700-20 1.0700-30 1.04394-43 3.4850-42 9.70100-00 1.0807477-43 3.6364-42 1.0807477-43 3.6364-42 1.0900-00 1.0900-0	Tem well per Chet Che	2.46603F 0 4.5000E 0 2.46603F 0 4.5000E 0 2.46603F 0 4.5000E 0	3 GV 5 VEL 1 / 16 CM-11 GV 6 CM-11 GV 7 VFL 1 / 17 VFL	4.62/rbt-03 9.461-74 13 8.574/06 63 2.777/35 97 9.50/rbt-03 9.464/ut-03 9.50/rbt-03 9.464/ut-03 9.50/rbt-03 9.46/4t-03 9.50/rbt-03 9.46/4t-03 9.46/4t-	HANG GA-M TLUN HANG ALPH YAIH WANG ALPH XLUN HANG ALPH ALPH CA:M TANG ALPH	1.64066 U2 0 7.475716 01 7.87845F (71 1.6774762 01 7.47597F 01 1.67117F 02 5.27593F 01 7.87339F 01 1.64044E U2 0.3.39673F 01	GAM MACH MACH MACH MACH MACH MACH MACH MA	-a.2'56yt 00 9.06'59= 90 9.3461t-07 2.628'56 91 -8.397966 00 9.035196 00 9.0351196 00 9.052516 01 -d.702156 00 9.052546 00 9.052546 00 9.052546 00 9.052546 00 9.052546 00 9.052546 00 9.052546 00 9.052546 00 9.05256 00		
3 -	GAMC TIM ALT SOS GR GAMC	1.0700 90 1.0700 90 1.043943 3.485932 -9.70109-00 1.0907773 3.036432 -9.7000000 1.090702 1.955713 3.838443 -9.7000000 1.109072 1.951643 3.838443 -9.7000000 1.109072 1.951643 3.838443 -9.7000000 1.109073 4.118393 -9.7000000 1.109073 4.118393 -9.7000000 1.109073 4.118393 -9.7000000 1.109073 4.118393 -9.7000000 1.109073 4.118393 -9.7000000 1.109073 4.118393 -9.7000000 1.109073 4.118393 -9.7000000 1.109073 4.118393 -9.7000000 1.109073 4.118393 -9.7000000 1.1090700	Tem well bett the temperature of temperature of the temperature of the temperature of tempe	2.46603F 0 4.50000E 0 2.46603F 0 4.50000E 0 2.46603F 0 4.50000E 0	3 CV 5 VEL 1 / 16 CW4:1 6 CW4:1 7 CV	4.02cr5E-03 9.464-7E-13 8.774-08-63 8.774-08-63 9.50-40E-03 9.50-40E-03 9.464-4E-03 9.50-40E-03 9.467-4E-03 9.467-4E-03 9.467-4E-03 9.467-4E-03 9.477-8E-02 9.47-08-03 9.774-06-03 9.774-06-03 9.774-06-03 9.774-06-03 9.774-06-03 9.774-06-03 9.774-06-03 9.774-06-03 9.774-06-03 9.774-06-03 9.774-06-03 9.774-06-03 9.774-06-03 9.774-06-03 9.774-06-03 9.774-03 9.774-06-	HANG ALPH SA-H TLUN HANG ALPH VAIH VAIH VAIH VAIH VAIH VAIH VAIH VAI	1.6406F U2 0 0 7.97571E 01 7.87845F 01 1.67074F 02 5.07376F 01 1.67117F 02 5.22593F 01 1.64644E U2 0.3.39673F 01 7.87339E 01	GAM MACH NPO ALAT GAM MACH NPO ALAT GAM MACH NPO ALAT GAM MACH NPO ALAT	-0.245eyt 00 9.06349t 07 9.06349t 07 2.02816E 01 -8.397906 00 9.03519t 00 0.050816-07 2.0794E 01 -0.70213E 00 9.06244 00 7.10797E-07 2.0777E 01 -0.72021E-07 2.0777E 01		
- -	GAMC TIM ALT SOS GR TIM ALT SOS GR TIM ALT SOS GR GAMC	1.0700-00 1.0700-00 1.04394-43 3.4890-42 -7.0900-00 1.09074-3 3.6366-32 1.04777-43 3.6366-32 1.05164-13 3.89074-32 1.95371-02 1.95164-13 3.89074-32 1.95164-13 3.89074-32 1.9548-35 1.1639-32 1.9548-35 1.1639-32 1.1639-32 1.1639-32 1.1639-32 1.1639-32 1.1639-32 1.1639-32 1.1639-32 1.1639-32 1.1639-32 1.1639-32 1.1639-32 1.1639-32 1.1639-32 1.1639-32 1.1639-32	Tem met List Chor the the the the the the the th	2.46603F 0 4.5000E 0 2.46603F 0 4.5000E 0 2.46603F 0 4.5000E 0	3 VEL 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1	4.02cr5E-03 9.401-7E-03 9.501-1E-01 8.574-06-03 9.501-7E-03 9.404-06-03 9.501-7E-03 9.404-06-03 9.501-7E-03 9.407-4E-03 9.407-4E-03 9.407-4E-03 9.47-4E-03 9.47-4E-03 9.47-4E-03 9.47-4E-03 9.47-4E-03 9.47-4E-03 9.47-4E-03 9.501-7E-06-09-3E-03 9.77-46F-02 9.47-36F-02 9.47-36F-02 9.47-36F-02 9.47-36F-02 9.47-36F-02 9.47-36F-03 9.501-7E-03 9.5	HANG ALPH CA: M XLUN HANG ALPH XLUN HANG ALPH XLUN HANG ALPH CA: M CA: M	1.6406F U2 0 7.47571E 01 7.87845F 01 1.673746F 01 7.87597F 01 1.67117F 02 5.27593F 01 1.64644E U2 3.39673F 01 7.87376F 01 1.670476F 01	GAM MACH MACH MACH MACH MACH MACH MACH MA	- a. 2 ' Seyt 0 U 9. u6 ' Seyt 0 U 9. u5 Si ye 0 U 9. u5 Si		
3 -	GAMC TIM ALT SOS GR GAMC TIM ALT SOS GR GAMC TIM ALT SOS GR TIM ALT SOS GR TIM ALT SOS GR GAMC TIM ALT SOS GR T	1.0700-00 1.0700-00 1.04390-00 1.04390-00 1.04390-00 1.04390-00 1.0900-00 1.0900-00 1.0900-00 1.0900-00 1.0900-00 1.0900-00 1.0900-00 1.0900-00 1.0900-00 1.0900-00 1.0900-00 1.0900-00 1.0900-00 1.0900-00 1.0900-00 1.0900-00 1.0900-00 1.0900-00 1.1000-00 1.	Tem met List Chor the m	2.46603F 0 4.50000E 0 2.46603F 0 4.50000E 0 2.46603F 0 4.50000E 0	3 GV 5 VEL 1 / 16 DW4:1 6 DW4:1 7 GV 5 VFL 1 / 2 GV 5 VFL 1 / 2 GV 5 VFL 1 / 7 GV 5 VFL 1 / 7 DPAG 1 / 9 DPAG 1 / 9 DPAG 1 / 9 DPAG 2 VFL 1 / 9 DPAG 2 VFL 1 / 9 DPAG 3 GV	4.02cr5E-03 9.401-7E-03 9.797-8E-03 9.404-06-03 9.797-8E-03 9.404-06-03 9.50-01E-03 9.404-06-03 9.50-01E-03 9.407-4E-03 9.407-4E-03 9.407-4E-03 9.407-4E-03 9.47-4E-03 9.50-6E-03 9.50-6E-03 9.50-6E-03 9.50-6E-03 9.50-6E-03 9.50-6E-03 9.47-6E-03 9.47-6E-03 9.50-6E-03 9.47-6E-03 9.47-6E-03 9.50-6E-03 9.47-6E-03 9.47-6E-03 9.50-6E-03 9.47-6E-03 9.50-6E-03 9.47-6E-03 9.50-6E-03 9.47-6E-03 9.50-6E-03 9.47-6E-03 9.47-6E-03 9.47-6E-03 9.47-6E-03 9.47-6E-03 9.47-6E-03 9.47-6E-03 9.50-6E-03 9.50-6E-03 9.50-6E-03 9.50-6E-03	HANG ALPH SA-M SA-M SA-M SA-M SA-M SA-M SA-M SA-M	1.6406F U2 0 7.47571E 01 7.87845F 01 1.673746F 01 7.87597F 01 1.67117F 02 5.27593F 01 1.64644E U2 3.39673F 01 7.87376F 01 1.670476F 01	GAM MACH MACH MACH MACH MACH MACH MACH MA	-a 2'364 t 00 9.06347 t 70 0.73461 t 07 2.62816 t 71 2.62		
3 -	GAMC TIM ALT SOS GR GAMC TIM ALT SOS GR GAMC TIM ALT SOS GR TIM ALT SOS GR TIM ALT SOS GR GAMC TIM ALT SOS GR TIM ALT SOS GR TIM ALT SOS GR GAMC TIM SOS GR	1.0700-01 1.0700-01 1.04300-03 3.4850-03 4.70000-04 1.08000-04 1.0	Tem met List Chyr Thus unif Pai List ZoCT Thus unif List ZoCT Thus unif List Thus unif Li	2.46603F 9 4.5000F 0 2.46603F 0 4.5000F 0 2.46603F 0 4.5000F 0 2.46603F 0 4.5000F 0	5 VFL 1 COLL:	4.62 cr 5E - 03 9.46 1-7E - 13 2.777-75E - 03 9.50 1-1E - 04 2.774 3E - 05 9.50 5-50 5-1E 9.47 5-06 - 03	HANG ALPH VANG A	1.64064E U2 0.47521E 01 7.87845E 01 1.673476E 01 7.87592E 01 1.67117F 02 0.27593E 01 1.68044E U2 0.375975E 01 1.68044E U2 0.375975E 01 1.777176E U2 1.581837E 01 1.77996E 02	GAM MACH MACH MACH MACH MACH MACH MACH MA	-a.2'36yt 00 9.06347E 90 9.06347E 90 9.73461E-07 2.62816E 91 -8.39796 00 9.03519E 00 9.03519E 00 9.04264E 00 9.04364E 00		
-	GAMC TIM ALT SOS GRAMC	1.0700-20 1.0700-20 1.04394-3 1.04394-3 1.04394-3 1.04777-3 1.04777-3 1.04777-3 1.04394-3 1.05777-3 1.05777-3 1.05777-3 1.05777-3 1.05777-3 1.0577-	Tend met List Chort The well List Total met List The met List The cont The met List The cont The met List	2.46603F 0 4.5000E 0 2.46603F 0 4.5000E 0 2.46603F 0 4.5000E 0 2.46603F 0 4.5000E 0	5 VEL 1 (4.62 cr 5E - U3 9.46 t - 7E - U3 9.70 t - 10 t - 11 8.77 r 76E - U3 9.50 t - 11 t - 12 9.50 t - 15 9.77 r 76E - U3 9.50 t - 15 9.46 r 4E - U3 9.50 t - 15 9.46 r 4E - U3 9.50 t - 15 9.46 r 4E - U3 9.47 r 6E - U3 9.47 r 6E - U3 9.47 r 6E - U3 9.77 r 6E - U3 9.50 r 15 t - U3	HANG ALPH VANG ALPH VAIN WANG ALPH VAIN HANG ALPH CAIM VLUN HANG ALPH VAIN HANG ALPH VAIN HANG ALPH VAIN HANG ALPH VAIN HANG ALPH VAIN HANG HANG HANG HANG HANG HANG HANG HAN	1.04406F U2 0 7.47571E 01 7.87845F 01 1.673476F 01 7.873476F 01 1.67117F 02 5.27593F 01 1.68644F U2 6.37973F 01 7.87339F 01 7.87339F 01 7.87339F 01 7.8735F 01 7.8735F 01	GAM MACH MACH MACH MACH MACH MACH MACH MA	-0.2'569t 00 9.06'59t 90 9.36'61t-07 2.06'05E 91 -8.397906 00 9.05519t 07 2.06794t 01 -0.7062t 00 9.0563t-07 2.06794t 01 -0.7062t 00 9.0563t 00 9.0564t 00 9.05772t 01		
· · · · · · · · · · · · · · · · · · ·	GAMC TIM ALT SOS GRAMC	1.0700-20 1.0700-20 1.0700-20 1.04394-3 3.4850-32 9.70100-00 1.0807477-3 3.04364-32 1.04777-3 3.04364-32 1.04777-3 3.04364-32 1.05064-30 1.0506-30	Tem met List Chot The met List Zout The met List The m	2.46603F 0 4.50000E 0 2.46603F 0 4.50000E 0 2.46603F 0 4.50000E 0 2.46603F 0 4.50000E 0	3 GV 5 VEL 1 / C OWA:: 6 24 5 VFL 1 / C OWA:: 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	4.02cr5E-03 9.461-7E-13 8.574-08 03 2.777-38 03 9.464-08 03 9.50-018 03 2.777-18 02 9.467-48 03 9.50-018 03 2.777-78 02 9.47-78 02 9.47-78 03 9.47-98 03 9.47-98 03 9.47-98 03	HANG ALPH GA:M TLUN HANG ALPH VAIN MANG ALPH XLUN HANG ALPH XLUN HANG ALPH ALUN HANG ALPH GA:M XLUN HANG ALPH GA:M XLUN HANG HANG ALPH GA:M XLUN HANG HANG ALPH HANG ALPH HANG ALPH HANG ALPH HANG HANG ALPH HANG HANG ALPH HANG HANG HANG ALPH HANG HANG HANG HANG HANG HANG HANG HAN	1.640646 02 2.475216 01 7.87845F 01 1.6774762 01 1.677177F 01 1.67117F 02 1.67117F 02 1.67117F 02 1.67117F 02 1.67117F 02 1.67045F 01 1.67045F 01 1.77176 02 1.77176 02 1.77176 02 1.77176 01 1.77176 01 1.77176 01	GAM MACH MACH MACH MACH MACH MACH MACH MA	-a.2'36yt 00 9.06349E 90 6.73461E-07 2.62816E 91 -8.39796E 00 9.03519E 07 2.62794E 01 -0.7042F 00 9.09264E 00 9.09264E 00 9.09264E 00 9.09264E 00 9.09264E 00 9.71196E 00		
: -	GAMC TIM ALT SOS GR GAMC	1.0700-20 1.0700-20 1.04394-3 3.4850-32 9.7600-00 1.0867477-3 3.6364-32 1.08777-3 3.6364-32 1.08777-3 3.6364-32 1.0900-00	Tem met clet Chor the set clet clet the set clet clet the set clet clet clet clet clet clet	2.46603F 0 4.50000F 0 2.46603F 0 4.50000F 0 2.46603F 0 4.50000F 0 4.50000F 0 4.50000F 0	5 VFL 1 / C OWAS 6 24 5 VFL 1 / C OWAS 6 27 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	4.02cr5E-03 9.464-7E-03 2.777-3E-02 9.464-0E-03 9.50-01E-03 9.464-0E-03 9.50-01E-03 9.464-0E-03 9.50-01E-03 2.777-0E-03 9.467-4E-03 9.467-4E-03 9.47-0E-03 9.47-0E-03 9.47-0E-03 9.47-0E-03 9.47-0E-03 9.47-0E-03 9.47-0E-03 9.50-0E-03 9.50-0E-03 9.50-0E-03 9.50-0E-03 9.50-0E-03 9.50-0E-03 9.50-0E-03 9.47-0E-03 9.50-0E-03 9.47-0E-03 9.50-0E-03 9.47-0E-03 9.50-0E-03 9.50-0E-03 9.47-0E-03 9.50-0E-03 9.47-0E-03 9.50-0E-03 9.50-0E-03 9.47-0E-03 9.50-0E-03 9.50-0E-03 9.47-0E-03 9.50-0E-03 9.47-0E-03 9.50-0E-03 9.47-0E-03 9.50-0E-03 9.47-0E-03	HANG ALPH GA:M ALUN MANG ALPH XLUN MANG ALPH XLUN MANG ALPH GA:M XLUN MANG ALPH GA:M XLUN MANG ALPH GA:M XLUN MANG ALPH GA:M XLUN MANG ALPH MANG MANG MANG MANG MANG MANG MANG MANG	1.04406F U2 0.47571E 01 7.87845F (71 2.677476E 01 7.87597F 01 1.67117F 02 2.27593F 01 2.687359E 01 2.687359E 01 2.687359E 01 2.777176E 02 3.55680E 01 2.777176E 01 2.777476E 01 2.777476E 01 2.777476E 01 2.777476E 01 2.777476E 01	GAM MACH MACH MACH MACH MACH MACH MACH MA	-a.2'54yt 00 9.06'59: 90 0.73461t-07 2.62816E 71 -B.39796E 00 9.03519t 00 9.03519t 01 -d.70215t 00 9.09204t 01 -d.70215t 00 9.09204t 01 -d.70215t 00 9.09204t 01 -b./20/2t 00 6.9719E 01 -9.05411E 00 6.97935E 01 -9.05415E 00 6.97935E 01 -9.21/92E 00 8.35/52E-07 2.67/70E 01		
: -	GAMC TIM ALT SOS GAMC TIM ALT SOS GAMC TIM ALT SOS GR GAMC	1.0700-00 1.0700-00 1.0430	Tem met List Chot The met List Zout The met List The met	2.44603F 0 4.5000E 0 2.44603F 0 4.5000E 0 2.44603F 0 4.5000E 0	3 GV 5 VEL 6 DWA:: 6 DWA:: 7 GV 5 VFL 1 DWA:: 7 GV 5 VFL 1 DWA:: 7 GV 5 VFL 1 TWEL 1 TWEL 1 DWA: 1 DWA: 1 TWEL 1 T	4.02cr5E-03 9.401-7E-03 2.797-3E-02 9.404-05-03 9.501-7E-03 9.404-05-03 9.501-7E-03 9.404-18-03 9.50-7E-03 9.407-48-03 9.407-48-03 9.407-68-03 9.47-68-03 9.50-03 9.47-68-03 9.50-03 9.47-68-03 9.50-03 9.47-68-03 9.50-03 9.47-68-03 9.50-03 9.47-68-03 9.50-03 9.47-68-03 9.50-03 9	HANG ALPH GA: M XLUN MARIG ALPH XLUN MARIG ALPH XLUN MARIG ALPH XLUN MARIG ALPH ALUN MARIG ALPH	1.64064 U2 2.975716 01 7.87845F 01 1.677976 01 1.67117F 02 5.27593F 01 1.67117F 02 5.27593F 01 1.68535F 01 1.68535F 01 1.68535F 01 1.68535F 01 1.78735F 01	GAM MACH MEG XLAT GAM MACH MACH MACH MACH MACH MACH MACH MA	-0.2'5694 0U 9.06'592 90 6.754614-07 2.020106 01 -8.597906 0U 9.035194 01 -0.705136-07 2.027946 01 -0.70526 0U 9.052646 0U 9.05266 0U 9.77506 01 -0.72506 01 -0.72506 01 -0.72506 01 -0.72506 01 -0.72506 01 -0.72506 01 -0.72506 01 -0.72506 01 -0.72506 01 -0.72506 01		
: -	GAMC TIM ALT SOS GAMC	1.0700-90 1.0700-90 1.0700-00 1.04394-43 3.44890-32 -9.7000-00 1.09070-32 1.09777-43 3.0364-32 -9.7000-00 1.09070-32 1.9517-33 3.0364-32 -9.7000-00 1.1000-32 1.9518-33 -9.7000-30 1.1100-32 1.9518-33 -9.7000-30 1.1100-32 1.9518-33 -9.7000-30 1.1100-32 1.9518-33 -9.7000-30 1.1100-32 1.9549-33 1.95	Tem met List Chor the set List Cor the set List Cor the set List Cor the set List Cor the set List The	2.46603F 0 4.5000E 0 2.46603F 0 4.5000E 0 2.46603F 0 4.5000E 0 2.46603F 0 4.5000E 0	3 GV 5 VEL 1 / G	4.02crbt-03 9.401-74 t3 9.301-8 t1 8.374-06 t3 9.301-8 t1 9.404-8 t3 9.301-8 t1 9.404-8 t3 9.301-8 t1 9.407-8 t2 9.407-8 t3	HANG ALPH YEUN HANG HANG HANG HANG HANG HANG HANG HAN	1.64066 U2 0.47571E 01 7.87845E 01 1.677476E 01 1.677117F 02 5.27593E 01 1.67117F 02 5.27593E 01 1.68339E 01 1.68339E 01 1.68339E 01 1.78339E 01 1.78339E 01 1.78339E 01 1.78339E 01 1.78339E 01 1.78339E 01 1.78332E 01 1.78332E 01 1.78332E 01 1.78332E 01	GAM MACH MACH MACH MACH MACH MACH MACH MA	-0.2'569t 00 9.06'59: 90 9.3481t-07 2.028'56' 91 -8.397906 00 9.03519t 07 2.02794t 01 -0.70254t 00 9.05264t 00		
-	GAMC TIM ALT SOS GRAMC	1.0700-90 1.0700-00 1.04394-3 3.44590-32 -9.7000-00 1.09070-32 1.09777-33 3.6366-32 1.09777-33 3.6366-32 1.09304-32 1.093	Tem met List Chor the met List The met L	2.46603F 0 4.5000F 0 2.46603F 0 4.5000F 0 2.46603F 0 4.5000F 0 4.5000F 0 2.46603F 0 4.5000F 0	5 VEL 1 / G OMA: 6 OMA: 7 OF A 1 / G OMA: 7 OF A 1 / G OMA: 1 / G	4.02cr5E-03 9.404-7E-03 9.504-1E-03 9.777-3E-02 9.404-06-03 9.504-1E-03 9.504-1E-03 9.504-1E-03 9.404-4E-03 9.407-4E-03 9.407-4E-03 9.407-4E-03 9.407-4E-03 9.47-4E-03 9.47-4E-03 9.47-4E-03 9.504-1E-03 9.47-4E-03 9.504-1E-03	HANG ALPH GA: M XLUN HANG ALPH WALUN WANG ALPH WALUN WANG WANG WANG WANG WANG WANG WANG WAN	1.64066 U2 2.47571E 01 7.87845E 01 1.677476E 01 1.677117F 02 3.27593E 01 1.67117F 02 3.27593E 01 1.68044E U2 3.39073E 01 7.87359E 01 7.87359E 01 7.87359E 01 1.77496E 02 3.75242E 01 7.87377E 01 1.73222E 02 3.95374E 01 7.87322E 01 1.73222E 01 1.73222E 01 1.73222E 01 1.74746F 02 4.15177E 01	GAM MACH MACH MACH MACH MACH MACH MACH MA	-0.2'569t 00 9.06'59: 90 9.3481t-07 2.028'58' 01 -8.397906 00 9.03519t 07 -0.794t 01 -0.7025t 00 9.05264t 00 7.15797t 01 -0.7277t 01 -0.7770t 01		~
3	GAMC TIM ALT SOS GR GAMC	1.0700-00 1.0700-00 1.0430-00 1.0430-00 1.0430-00 1.0430-00 1.0430-00 1.0430-00 1.0430-00 1.0430-00 1.0430-00 1.0430-00 1.0430-00 1.0430-00 1.0430-00 1.0430-00 1.0430-00 1.0430-00 1.0510-00 1.0510-00 1.0510-00 1.0510-00 1.1000-00 1.11000-00 1	Tem met Liet Chot Tem met Liet Zoot Tem met Liet Tem met	2.46603F 0 4.5000F 0 2.46603F 0 4.5000F 0 2.46603F 0 4.5000F 0 4.5000F 0 2.46603F 0 4.5000F 0	5 VEL (4.02 cr 5E - 03 9.46 1-7E - 13 2.777-75E - 03 9.46 4- 0E - 03 9.50 cr 1E - 03 9.50 cr 1E - 03 9.50 cr 1E - 03 9.47-76E - 03 9.47-76E - 03 9.47-76E - 03 9.47-76E - 03 9.50 cr 1E - 03	HANG ALPH GAIM WANG ALPH	1.6406F U2 2.97571E 01 7.87645F 01 1.67797F 01 1.67117F 02 5.27593F 01 1.67117F 02 5.27593F 01 1.68044E U2 3.39673F U1 7.87339E 01 1.68044E U2 3.39673F U1 7.87339E 01 1.74740F U2 3.75742E U1 1.7579F U1 1.7422E U2 3.9574E U1 1.7422E U2 3.9574E U1 1.7422E U2 3.9574E U1 1.7422E U2 3.9574E U1	GAM MACH MACH MACH MACH MACH MACH MACH MA	-a 2'364 t 00 9.063675 00 9.063676 00 9.05361 00 9.05361 00 9.05361 00 9.05361 00 9.05361 00 9.05361 00 9.05361 00 9.05361 00 9.05361 00 9.05361 00 9.05361 00 9.05361 00 9.05361 00 9.05361 00 9.05361 00 9.05361 00 9.05361 00 9.05361 00 9.05361 00 9.05461 00 9.05561 00 9.0566		~ · · · · · · · · · · · · · · · · · · ·
	GAMC TIM ALT SOS GR GAMC TIM SOS GR GAMC TIM SOS GR GAMC TIM SOS GR GAMC TIM ALT SOS G	1.0700-90 1.0700-00 1.04390-32 1.94136-00 1.04390-32 1.96737-33 1.05727-33 1.	Tem met pet List Chot the set col the set the set the the the the	2.44603F 0 4.5000E 0 2.44603F 0 4.5000E 0 2.46603F 0 4.5000E 0 2.46603F 0 4.5000E 0	3 GV 5 VEL 1 / G OMA:: 6 OMA:: 7 GV 5 VFL 1 / G OF A:: 1	4.02cr5E-03 9.401-7E-03 9.301-1E-01 8.2777-3E-02 9.404-06-03 9.501-1E-03 9.404-06-03 9.501-1E-03 9.404-1E-03 9.407-4E-03 9.407-4E-03 9.407-4E-03 9.407-4E-03 9.47-4E-03 9.48-4E-03 9.48-4E-03 9.48-4E-03	HANG ALPH GA: M XLUN MANG ALPH XLUN MANG ALPH XLUN MANG ALPH XLUN MANG ALPH ALPH ALPH ALPH ALPH ALPH ALPH ALPH	1.640646 U2 2.975716 01 7.87845F 01 1.677476 01 1.677177 02 1.677177 02 1.67177 02 1.67177 01 1.687339F 01 1.687339F 01 1.687339F 01 1.687339F 01 1.687339F 01 1.787339F 01 1.787339F 01 1.787339F 01 1.78742F 02 1.78742F 01 1.78722F 01	GAM MACH MPO XLAT GAM MACH MACH MACH MACH MACH MACH MACH MA	-0.2'569t 00 9.06'59: 90 9.3481t-07 2.028'58' 01 -8.397906 00 9.03519t 07 -0.794t 01 -0.7025t 00 9.05264t 00 7.15797t 01 -0.7277t 01 -0.7770t 01		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
3 -	GAMC TIM ALT SOS GRAMC TIM ALT	1.0700-90 1.0700-00 1.04390-32 4.94136-60 1.04390-32 4.70000-00 1.09030-32 1.09777-33 3.04360-32 1.09777-33 3.04360-32 1.09371-33 3.04360-32 1.09371-33 3.04360-32 1.09371-33 3.04360-32 1.09371-33 4.11539-32 4.	Tem met pet clet the met pet the the the the the the t	2.46603F 0 2.46603F 0 4.50000E 0	3 GV 5 VEL 1 / G OMA:: 6 OMA:: 7 GV 5 VFL 1 / G OF A:: 1	4.02cr5E-03 9.461-7E-13 9.791-8E-13 9.777/3E-13 9.464-4E-03 9.50-11E-01 9.464-4E-03 9.50-11E-03 9.467-4E-03 9.467-4E-03 9.467-4E-03 9.477-8E-02 9.477-8E-02 9.477-8E-02 9.477-8E-02 9.477-8E-02 9.477-8E-02 9.477-8E-03 9.481-8E-03 9.481-8E-03 9.481-8E-03 9.481-8E-03 9.481-8E-03 9.481-8E-03 9.481-8E-03 9.481-8E-03	HANG ALPH VANG ALPH VANG ALPH VANG ALPH VALUN HANG ALPH VALUN	:.04406F U2 0.47521E 01 7.87845F 01 :.077476E 01 7.87592F 01 1.07117F 02 0.22593F 01 7.87339E 01 7.87374E 01 7.87322E 02 7.95674E 01 7.87326E 01 7.87326E 01 7.87326E 01 7.87326E 01	GAM MACH MACH MACH MACH MACH MACH MACH MA	-a 2'354 t 00 9.06345		
3 -	GAMC TIM SOS GRAMC TIM ALT SOS	1.0700-00 1.0700-00 1.04394-3 3.44850-32 9.76000-00 1.0867477-3 3.63646-32 1.94377-3 3.63646-32 1.95371-02 1.95371-02 1.95164-3 3.87044-32 1.95577-33 3.87044-32 1.95577-33 1.95577-33 1.95164-32 1.9548-32 1.	Tem met clet chot the set clet the the the the the the the	2.46603F 0 2.46603F 0 4.50000E 0 2.46603F 0 4.50000E 0 2.46603F 0 4.50000E 0 2.46603F 0 4.50000E 0	3 GV 5 VEL 1 (0 Mai: 1 GV 5 VFL 1 (1 GV 6 GV 5 VFL 1 (1 GV 6 GV 6 GV 6 GV 6 GV 7 GV 7 GV 7 GV 8 VFL 1 (1 GV 7 GV 8 VFL 1 (1 GV 8 VFL 8 VFL 9 (1 GV 8 VFL 9	4.02cr5E-03 9.461-7E-03 9.797-1E-03 9.464-0E-03 9.464-0E-03 9.464-0E-03 9.464-0E-03 9.464-0E-03 9.464-1E-03 9.467-1E-03 9.467-1E-03 9.467-1E-03 9.467-1E-03 9.47-1E-03 9.48-03 9.50-03 9.50-03 9.48-03 9.50-03 9.	HANG ALPH VANG ALPH VANG ALPH VANG ALPH VALUN HANG ALPH	1.640646 U2 0.475716 01 7.87845F (71 2.6774762 01 1.67117F 02 2.27593F 01 1.67117F 02 2.27593F 01 1.680446 U2 3.37073F 01 1.680356 01 1.7717176 U2 3.5860356 01 1.7717176 U2 3.757426 01 7.87377F 01 1.760746 01 1.760746 01 1.760746 01 1.760746 01 1.760746 01 1.760746 01 1.760746 01 1.760746 01	GAM MACH MPO XLAT GAM MACH MACH MACH MACH MACH MACH MACH MA	-0.2'569t 00 9.06'59t 90 9.36'61t-07 2.06'05' 91 -8.397906 00 9.05519t 07 2.06'794t 01 -0.70515t 00 9.05051t-07 2.06'794t 01 -0.7052t 00 9.05051t-07 2.06'772t 01 -0.7250t 01		
	GAMC TIM ALT SOS GAMC TIM ALT SOS GAMC TIM ALT SOS GR GAMC	1.0700-90 1.0700-00 1.04394-13 3.44890-13 3.44890-12 -9.7010-00 1.09777-13 3.6366-12 1.04777-13 3.6366-13 3.036666-13 3.036666-13 3.036666-13 3.036666-13 3.036666-13 3.036666-13 3.036666-13 3.036666-13 3.036666-13 3.036666-13 3.036666-13 3.0366666-13 3.036666666666666666666666666666666666	T-8 ##1 ##1 ##1 ##1 ##1 ##1 ##1 #	2.46603F 0 2.46603F 0 4.50060E 0 2.46603F 0 4.50060E 0 2.46603F 0 4.50060E 0 2.46603F 0 4.50060E 0	3 GV 5 VEL 1 / G	4.02crbb-03 9.461-76-13 8.774-36-93 9.464-96-93 9.464-96-93 9.464-96-93 9.464-96-93 9.464-96-93 9.464-96-93 9.467-96-93 9.473-96-93 9.473-96-93 9.473-96-93 9.473-96-93 9.473-96-93 9.593-96-93 9.473-96-93 9.593-96-93 9.473-96-93 9.593-96-93 9.593-96-93 9.593-96-93 9.593-96-93 9.473-96-93 9.593-96-93 9.593-96-93 9.593-96-93 9.593-96-93 9.473-96-93 9.593-96-93 9.593-96-93 9.593-96-93 9.593-96-93 9.463-96-93 9.463-96-93 9.463-96-93 9.464-96-93 9.464-96-93 9.464-96-93 9.464-96-93	HANG ALPH GA:M ALUN HANG ALPH QA:M XLUN HANG ALPH XLUN HANG ALPH GA:M XLUN HANG ALPH XLUN	1.649646 82 2.475216 91 7.87845F (71 2.6774762 91 1.6711/F 02 3.27593F 01 1.6711/F 02 3.39073F 01 1.685446 82 3.39073F 01 1.7.0705F 01	GAM MACH MACH MACH MACH MACH MACH MACH MA	-a.2'54yt 0u 9.u6'59z 90 9.u6'59z 90 9.u6'59z 90 9.u6'515E 91 -8.3979a6 0u 9.u351yt 00 9.u351yt 01 -6.2025t 00 9.u6'204 01 -6.2025t 00 9.u6'204 00 7.u5'79t 01 -8.7077ZE 01 -8.7077ZE 01 -8.7077ZE 01 -8.7077ZE 01 -8.7077ZE 01 -9.701116-07 2.877ZE 01 -9.30409ZE 00 9.909ZE 00 9.909ZE 00 9.909ZE 00 9.909ZE 00 -9.3077ZE 01 -9.3040ZE 00 8.909ZE 00 9.3077ZE 01 -9.3040ZE 00 8.909ZE 00 9.3077ZE 01 -9.3040ZE 00 8.909ZE 00 9.307ZE 01 -9.3040ZE 00 8.909ZE 00 9.307ZE 01 -9.3040ZE 00 8.909ZE 00 9.307ZE 00 8.909ZE 00 9.277ZE 00 8.907ZE 00 8.909ZE 00 9.277ZE 00 8.907ZE 00 9.27ZE 00 8.909ZE 00 9.27ZE 00		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
	GAMC TIM ALT SOS GR GAMC T	1.0700-90 1.0700-90 1.04394-3 3.44890-32 9.7010-00 1.08974-3 3.64870-32 9.7010-00 1.09777-3 3.64366-32 1.09777-3 3.64366-32 1.09577-3 3.64366-32 1.09577-3 3.64366-32 1.09577-3 3.64366-32 1.09577-3 3.64366-32 1.0958-32 1.0958-32 1.1004-32 1.1004-32 1.0958-32 1.1004-3	Tem met clet chet ch	2.44603F 0 4.5000E 0	3 GV 5 VEL 1 / G OWA: 6 GV 5 VFL 1 / G OWA: 7 GV 5 VFL 1 / G OWA: 1 OFA: 7 GV 5 VFL 1 / G OWA: 1 /	4.02crbt-03 9.401-76 t3 2.777-35 n/ 9.50-76 t0 9.404-06 n/ 9.50-76 t0 9.404-06 n/ 9.50-76 t0 9.404-16 n/ 9.50-76 t0 9.404-16 n/ 9.50-76 t0 9.407-16 t0 9.50-76	HANG ALPH VALON	1.64066 U2 0.47571E 01 7.67845E 01 1.677476E 01 1.67717F 02 1.67717F 02 1.67717F 02 1.6717F 02 1.6717F 02 1.68339E 01 1.68044E U2 0.339073E 01 1.68044E U2 0.359073E 01 1.7490E U2 1.586030E 01 1.7490E 02 1.7490E 01 1.7490E 01	GAM MACH MACH MACH MACH MACH MACH MACH MA	-a.2'54yt 00 9.06'59z 90 9.06'59z 90 9.05'56'5E'51 -B.3979ac 00 9.035'15c 07 2.02'794c 01 -d.702'5t 00 9.05'26'4c 00		
	GAMC TIM ALT SOS GR GAMC T	1.0700-00 1.0700-00 1.04300-00 1.	Tem met List Chot The met List Chot The met List The m	2.44603F 0 4.5000E 0	5 VEL 6 DWA:: 6 DWA:: 7 ZP 7 VFL 1 DWA:: 7 ZP	4.02crbt-03 9.401-7E 03 2.797-3E 07 9.404-05 03 2.797-3E 07 9.404-05 03 9.501-11 03 9.407-4E 03 9.50-11 03 9.407-4E 03 9.407-4E 03 9.407-4E 03 9.407-4E 03 9.407-4E 03 9.407-4E 03 9.774-6F 02 9.475-6F 03 9.50-11 01 1.046-03 9.475-6F 03 9.50-11 01 1.096-3E 03 9.475-6F 03 9.475-6F 03 9.475-6F 03 9.50-11 01 1.096-3E 03 9.475-6F 03 9.475-6F 03 9.475-6F 03 9.50-11 01 1.096-3E 03 9.475-6F 03 9.485-6F 03	HANG ALPH GA: M XLUN HANG ALPH VALUN H	1.644046 U2 2.47571E 01 7.67645E 01 1.67745E 01 1.67117F 02 5.27595E 01 1.67117F 02 5.27595E 01 1.66444E U2 3.33075E 01 1.66444E U2 3.33075E 01 1.68535E 01 1.76507E 01 1.765074E 01 1.76507E 01	GAM MACH MACH MACH MACH MACH MACH MACH MA	-0.2'569t 00 9.06'59t 90 9.3549t-07 2.020'56' 91 -8.397906 00 9.03519t 07 2.02794t 01 -0.70515t-07 2.02794t 01 -0.7052t 00 9.05264t 00 7.10797t-07 2.02777t 01 -0.720'2t 00 -0.7111t-07 2.02777t 01 -0.720'2t 00 -0.7111t-07 2.02777t 01 -0.720'2t 00 -0.7111t-07 2.02777t 01 -0.720'2t 00 -0.720'2		

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TIM ALT SOS	1.17000F 02 1.83224F 05 1.08477F 03	PHI	2.466036.05 4.500006.01	VEL.	9,490-2E U3 9,50001E U1 1,434>3E U4	RANG ALPH Qatm	1.79325E U2 U 4.87935E D1	HACH HEO	-9.87224E 00 6.74887E 00 1.08346E-06			•
GR. GAMC	5.81596=-02 -9.70000± 00	ZDCT Ten	0	7.9 GV	2.78986E 02 9.97156E-03	XLON	7.8-313E 01	XLAT	2.82595E 01			
T [M	1.14000F 02 1.81583F 03	инт Рн1	2.466m3E 05 4.50000E 01	VEL	9.493-5E us 9.50mm1E P1	PANG	1.8085 <u>1F</u> 02	GAM MACH	-1.00356E 01 8.71612E 00			
SOS GR GAMC	1.099175 03 6.143665-02 -9.706005 00	LIFT 7004 THH	3 3 0	DPAG 70 GV	2.783E 62 1.070-9E-02	KLON	7.80080E 01	AL AT	1.14286E-06 2.82573E 01			
TIM	1.14800r 02 1.70915F 05	a-i	2,466036-05	yeL	9.49A-4E-83	HANG ALPH	1.8237 <u>6€ 02</u>	GAM MACH	-1.01988E 01	-, -		
SOS	1.09363F 03 6.49275E-02	FAL LIFT 700T	4.5000E 01 9	DRAG 7H	1.601:3F 04 2.78 * UE U2	XLUN	7.43794E 01 7.79807E 01	HFO XLAT	1.20006E+06 2.82550E 01	·		
GAMC TIM	-9.70600+ 00 1.20000+ 42	THR	?,4¢n₽3€ 05		9,4964E-U2	RANG	1.037015 02	 GAM	-1.93620E 01	- • •	= -	
AL T SOS	1.78221E 05 1.09614F 03	PHI LIFT	4.5aunuE 01	Z DPAG	9.50 161E 01 1.69284E 04 2.78867E 02	CAIM	5.74452E 01 7.79554E 01	MACH MEQ ALAT	6.65000E NG 1.27332E-06 2.82528E 01			
GA MC	6.864645-02 -9.70000-00	79GT THR	· · · · · · · · · · · · · · · · · · ·	75 GV	1.234,26-62				• =			
TIM SOS	1.21000 92 1.76496 05 1.10270- 03	HHT PHI LIFT	2.46603E 05 4.5000UE 01	VEL 2 DRAG	9.50:61E 05 9.50:01E 01 1.79:55E 04	RANG ALPH UAIM	0.07ubnE 01	HACH HACH	*1.45251E 01 8.61666E 00 1.34489E-06		•	
GR GAMC	7.260875-92 -9.700006-00	ZIICT THE	1)	Z P G V	2.781;4E Uz. 1.326:1E-02) CON	7.79301E 01	ZUĀT	2.82506E 01			
TIM	1.22000F u2	WH!	2.46603E 05 4.50000E 01	-Z	9.5076 fo 9.5076 fo	RANG ALPH	.86950F 02	H+CH	-1.86dout 01 d.27232E 00			
SOS GR GAMC	1.10575= 03 7.70544F=02 -9.70000= 00	1967 7967 199	9 9	UFAG ZR Gv	1.988,8E 64 2.78141E 82 1.429 6E-64	YEON	0.43704E 01 7.7934EE 01	H FO XLAT	1.47>216-06 2.82464E 01			
TIH -	1.23000F J2 1.77297\- H5	We!	2.4e603E 05 4.50300E 01	V.F.L.	9.500046 fo 9.500016 61	RANG ALPH	:.8#474E G2	GAM MACH	-1.085096 01 6.59765E 00	•	•	
SOS GR	1.10575+ #3 8.22665+-02	LIFT ZOCT		04AG 79	2.7E 67E 02	ZEON -	0.8606/E 91 7.78795E 01	HFO XEAT	1.21795E-06 2.82467E hi			
GAMC TIM	1.24000F 52	. Ind WHI	2.46603E-05	GV VEL	1.548/0E-62 9.509 3E 83	HANG	89 99 6F 82	GAM	-1.1"137E N1			
SOS	1.71170+ 65 1.10575F 03	P41 LIFT -70ET	4.500006 D1	Dr w G	9.50 · 16 81 2.160/26 84 7.781/46 82	ALPH QA:M XLON	7.34635E 81 7.78542E 81	MACH HFU XEAT	8.35484E 00 1.0×204E-06 2.82440E 01			
GAME	-9.7000# 00	Ten		GV	1.67856E-02							
TIM TALT SOS	1.25000# 02 1.69339F 05 1.10575# 03	- WHI - BHI - LIFT	2.46603F 05 4.50000E 01	VËL 7 Draij	9.511 0E 03 9.50001E 01 2.316 5E 04	HANG ALPH Qath	7.84345E 02 7.84345E 01	44C4 6358	3.60204E 00 1.73589E-06			
GH GAMC	9.39304E=02 -9.70000+ 00	ZI CT	0	Gv	7.787 1E 02 1.82466E-02	¥LUM	7.78290F 01	XLAT.	2.824188 01			
TIM ALT	1.26000F 02 1.67482F 05	WHT PHI	2.46683E 05 4.50000E 01	VFL Z	9.51355E 63 9.50051E 61	HANG ALPH	L.95045E.J2	GAM MACH	-1.13391E 01 6.60407E 00			
SOS GR GAMC	1.10575E 03 1.00514E-01 -9.70000E 00	LIFT ZDGT TMH	0	DRAG ZP GV	2.47871E 84 2.78247E 82 1.97645E-12	XEUN	0.3936/E 01 7.78037E 01	NFU TEXT	1.85404E-Go 2.82396E 01			
			•									
TTM	1.270006 02	WHI	2.46603E 05	VFL	9.51605t 83	HANG	1.945606 42	GAM	-1.1501ot 01			
SOS	1.655985 83 1.185756 83	PHI LIFT	4.50000E 01	DHAG	9.50:01F 01 2.65449F 04	DAIM	0.9910YE 01	MACH MF0	0.00598E 00 1.98577E-06			
GR GAMC	1.076+25-01 -9.70000+ 00	ZHCT THR	9	GV GV	2.782/4E 62 2.146/4E-02	XLON	7.77784E E1	XLA1	2.8/3736 31			· · · · · · · · · · · · · · · · · · ·
TIM	1.28000E 92 1.63687E 95 1.10575E 03	HHT PHI LIFT	2.46663E 05 4.50000E 01	VFL 7 DPAG	9.51m·0h 63 9.50301F 61 2.84653E 84	MANG ALUH Qaim	1.94090E 02 0 9.64020E 01	MACH MACH	-1.166416 01 6.607746 00 2.128266-06	•		
SOS GR GAMC	1.1543#++01 -9.7000# 00	ZDCT THE	······································	7 P	2.783+UE 02 2.33368E-02	ALON	7.77532E 61	ÄLÄI	2.873516 01			
TTH .	1.29000+ HZ 1.61750+ HD	HH!	2.46683E 05 4.50000E 01	VEL	9.514.0E %3 9.50001E %1	HANG ALPH	1.97612H 02	MACH MACH	-11142696 01 8.60943E 00			
SOS GR GAMC	1.10575F n3 1.23875F-01 -9.70000F 00	LIFT ZOCT THE	- · · · · · · · · · · · · · · · · · · ·	DRAG 28 GV	3.054/8E 04 2.783/0E 02 2.538/9E-02	GATH XLON	1.03460E 02 1.772/9E 01	KL A I	2.20373E-00 2.20373E-00			
TIN	1.30000- #2		2.46003E 05 4.50000E 01	VFL .	9.52; 116 63	HANG	1.991346 62	GAM	-1.19888È 01			
SOS	1.59765= 05 1.10575= 03 1.33063=-01	PHI LIFT ZUCT	4.50000E 01 0	DRAG	9.50 doile #1 3.281 de #4 2.763-36 d2	ALPH GATH XLUN	0 1.1:1:0= 62 7.7/027F 01	MACH HFU ALAT	6.61074E 00 2.45189E-06 2.82307E 01			
GAMC TIM	-9.7000be 00 1.31000+ 02	This WHT	2.465638 05	GV VFL	9.522c4E 13	HANG	4.04655E 02	u#H	-1.2151d£ 01			
SOS	1.57744F 05 1.10575F 03	PHI LIFT	4.5000UE 01	DPAG	9.50mm1E +1 3.52mm6F 64	ALPH DATM	0 1.19499E 02 7.76774E 01	MACH HFO	6.011946 30 2.0355¥6+00			
GAMC	1.43067E-01 -9.70000F 60	ZDCT 1HA	ā	GV	2.78379E 112 3.01141F-02	ALON		XLAT	2.8/2856 #1			
- TIM SOS	1.37000F 02 1.55777- 05 1.10575- 63	PH1 LIFT	2.46603E 05 4.56000E 01	VFL / DPAG	9.523/18 03 9.500018 61 3.796678 04	RANG ALPH QAIM	7.02175E 02 0 1.28607E 02	64M М≠6H н+0	-1.23132E 01 6.61290E 00 2.83584E-06			-
GR GAMC	1.539675-01 -9.70000F 00	7.0CT	ń	GV GV	2.784.55 02 3.283-36-02	. xron	7.74522E 01	KLAT	2.82263E 01			
TIM	1.33000F 02 1.53732F 05	74W	2.4660JE 05 4.50000E 01	¥FL.	9.52446E 63 9.50601E 61	ALPH'	2.036956 02	GAM MACH	-1.24753E 01 8.6356¥E 00	*****		
SOS GR GAMC	1,102F9F 03 1,66736F-01 -9,70000F 00	LIFT ZUCT THR		CV DRAG	4.11: OF 84 2.78431E 02 3.60182E-02	M TM	1.39276E 02 7.76276E N1	AL AT	3.07060E-06 2.82241E G1		• •	
TIM	1.34000- 02	WHT .	2.46603E 05	VEL	9.52489E UJ	HANG	2.05214E 02	GAM MACH	-1.26374E 01			
SOS GR	1.51662+ 05 1.09923F 03 1.80979F-01	ZICT	4.50000E 01	Z DRAG ZA	9.50001E 01 4.46300E 04 2.78457E 02	QATM XLON	1.51263F 02 7.76016E 01	HFO XLAT	8.66506E 00 3.33460E-06 2.42219E 01			
GAMC TIM	1.35000F 02	Tek Bel	2.46603E 05	GV VEI	3.95948E-12 9.52440E US	RANG	2.06732E 02	<u>4</u> 4 ق	-1.27995E 01			
ALT SOS GR	1.49565+ 05 1.09550+ 03 1.96712+-01	PHI LIFT ZOCT	4.50000E 01	Z DRAG ZP	9.500016 01 4.6509/8 04 2.78483E 02	QAIM VION	0 1.64537E 02 7.75766E 01	MACH HEO XLAI	8.69454E 00 3.6272UE-06		· ·	
GAMC	-9.70000÷ 00	THA	0	GV	4.35744E-02	XLUN			2.82197E"01			
	1.360PHF 02 1.47441F 05 1.69172F 03	₩НТ РЧ] С18Т	2.46603E 05 4.5000E 01	VEL. Z DPAG	9.524-6F 63 9.50461E 01 5.20844E 64	RANG ALPH QAIM	2.08249E 02 0 1.79254E 02	GAM HACH HEO	-1.29615E 01 8./2428E 00 3.95201E-06	-		
GR	7.141434-81	ZOCT	· 1	ZA GV	2.78549E 02 4.80314E-02	XLON	7.75514E 01	XLAT	2.82175E 01		•	
GAMC	-9.7ngAn= 00	153										

-	ALT SOS	1.452926 0 1.087876 0 2.334855-0	3 LIFT	4.50000E 01	DRAG		ALPH Qaim	1.95>95E 0		4.31314E-06		•	•
	GANC.		THE .		Ğ V	2.78535E 02 5.30178E-02	XL ON						
	AL Y SOS GR	1.43117F 0: 1.08397E 0: 2.54976E-0:	O PHI S LIFT	2.46603E 05 4.50000E 01	Z Drag	9.52197E u3 9.50001E 01 6.28779E 04	RANG ALPH GATM	2.13764E 0	S HFO	4.71532E-06			
	GAHC TIM	-9.7000E 0	O THE	2 444085 00	Gv	2.78561E U2 5.85940E-02	XLON	/.75011E 01					
	SOS	1.40916F 0 1.04000E 0 2.7689E-0	5 PHT 3 LIFT	2.46603E 05 4.50000E 01	Z Drag	9.51979E 03 9.50001E 01 6.87748E 04	RANG ALPH GATM	2.12795E 02 2.33994E 02	NACH	5.16394E-06		.	
	GAHC	-9.70000E 00	U. THR		ZR GV	2.785H7E 02 6.48562E-02	XLON	7.74760E 01		2.82109E 01			
	SOS	1.40000 02 1.38689F 03 1.07597F 03 3.05533F-03	PHI 3 LIFT	2.46603E 05 4.50000E 01	Z Drag	9.51687E 03 9.50001E 01 -7.53453E 04	HANG ALPH QATM	2.14308E 02 2.56551E 02	H54H (-1.36094E 01 8.84496E 00 5.66520E-06			
	GAMC	-9.70000- 00	THR (0	Z B G V	2.786;3E 02 7.189>1E-02	XLON	7.74509E 01		2.82087E 01			
:	FIM ALT SOS GR	1.41000F 02 1.34437F 12 1.07187F 03	PHI LIFT	2.46603E 05 4.50000E 01	Z Drag	9.51313E U3 9.50001E U1 8.26706E U4	RANG ALPH GATM	2.15820E 02 0 2.81/35E 02	HACH HEO	-1.37714E 01 8.8/524E 00 6.22622E-06			—
į	GAMC TIM	3.35262E-01 -9.70000 + 06	THR	0	GV	2.78648E U2 7.98085E-02	XLON	7.742566 01	KLAT	2.82065E 01			
:	AL T SOS	1.42000 02 1.34160 03 1.06772E 03	PHI	2.46603E 05 4.50000E 01	VEL Z Drag	9.50846E 03 9.50801E 01 9.08679E 04	ALPH QATM	2.17330E 02 0 3.09893E 02	MACH HFO	-1.39334E 01 5.90541E 00 6.85522E-06			
	GAMC	3.66478E-01 -9.70000F 00	THH	0	ZB GV	2.78664E 02 8.87276E-02	XLQN).74006E 01	XLAT	2.82043E 01			-
•	ALT SOS	1.43000E 02 1.31858F 05 1.05350E 03	LIFT	2.46603E 05 4.50000E 01 0	Z DRAG	9.502/3E 03 9.50001E 01 1.00033E 05	RANG ALPH QAIM	2.18838E 02 0 3.41415E 02	HACH	-1.40956E 01 8.93535E 00 7.56164E-06		·	_
1	GR GAMC	4.05642E-#1 -9.70000E UU	THR	0	Z P G v	2.78690E 02 9.879#2E-02	XLON	7.73757E 01		2.82021E 01			
٠	TIM SOS	1.44000F 02 1.29532E 05 1.05922F 03	LIFT	2.46603E 05 4.50000E 01	VEL Z DRAG	9.495P2E 03 9.50001E 01 1.10300E 05	ACPH GATH	2.24344E 02 0 3.76752E 02	MAND	-1.42578E 01 8.96494E 00 8.35642E-06			—
	GAMC	4.47278E-01 -9.70000E-00	THE		ZA GV	7.78715E 02 1.10158E-01	XLON	7.73507E 01	XLAT	2.81999E 01			
	TIM ALT SOS	1.45000E 02 1.27181E 05 1.05487E 03	LIFT	2.46603E 05 4.50000E 01	VEL Z DRAG	9.48758E U3 9.50001E U1 1.21618E 05	RANG ALPH UAIM	2.218486 02 4.16414E.02	HACH	-1.44202E 01 8.49404E 00 9.25219E-06			
	GR GAMC	4.93983F-01 -9.70000F 00			_Gv	2.78740E 02 1.230:7E-01	XLON	7.73258E 01	XLAT.	2.81977E 01			
	TIM ACT SOS	1.46000E 02 1.24806E 05 1.05047E 03		2.46603F 05 4.50000E 01	Z DRAG	9.477F2E US 9.50Uule U1 1.34754E U5	PANG ALPH GATM	2.23356E 02 4.60984E 02	GAM MSCH HFO	-1.45827E 01 9.02249E 00 1.02636E-05			
	GR GAMC	5.4441E-01 -9.70000E U0	7DCT THR	ış U	ZB GV	2.78756E 02 1.37581E-01	XL'ON	7.73009E 01	- XLAT	2.81956E 01			•
	TIM ALT SOS	1.47000E 02 1.27409E 05 1.04600E 03	WHT PHI LIFT	2.46603E 05 4.50000E 01	VFL Z DRAG	9.466 5E US 9.50001E U1 1.49301E U5	RANG ALPH QAIM	2.2485UE 02 0 2.11127E U2	HACH HACH	-1.47454E 01 9.05009E 00			_
			·							1.140768-05			
	GR GAMC	6.05430F-01 -9.70000E 00	ZDGT THR	3	Z P G V	2.78791E U2 1.54096E-01	XL ON	/.7276CE 01	XLAT	2.81934E 01			
	TIM	1.48000E 02 1.1998#F 05	WH!	2.46603E 05 4.50000E 01	VFL Z	9.45246E 03 9.50001E 01	HANG	∠.26346E 02	UAM MACH	-1.49083E 01 9.07663E 00			-4-
÷	SOS GR GAMC	1.04146E 63 6.71836E-01 -9.70000E 00	LIFT ZDCT THE	0	DRAG ZB GV	1.654/7E 05 2.78816E 02 1.72845E-01	XLON XLON	7.72511E 01	NEO XLAT	1.27039E-05 2.81912E 01		·	_
	TIM ALT	1.490005 02 1.17545F 05	NH1	2.46603F 05 4.50000E 01	VFL .	9.43737E 03 9.50001E 01	RANG	2.27839E 02	GAM MACH	-1.50715E 01			_
•	SOS GR GAMC	1.03686F 03 7.46670E-01 -9.70000E 30	ZDCT THE	, <u>0</u>	DRAG ZA GV	1.84101E 05 2.78842E 02 1.94152E-01	QA I M	6.31260E 02 7.72264E U1	HFO XLAT	9.10184E 00 1.41754E-05 2.81890E 01			
	TIM	1.5000GE 02 1.15080F 05	WH!	2.46603E 05 4.50000E 01	VEL	9.41931E U3 9.50001E 01	HANG ALPH	2.29329F 02	GAH	-1.52350E 01			-
	SDS GR GAMC	1.032205 03 8.31078E-01 -9.70000F 00	ZDGT THR	0	DRAG ZB GV	2.04946E 05 2.78867E 02 2.18390E-01	UATH XLON	7.03084E 02 7.72017E 01	HACH XLAT	9.12543E 00 1.38489E-05 2.81869E 01			
	TIM	1.510005 02 1.12595F 05	148	2.46603E 05 4.50000E 01	VFL Z	9.39845E 03 9.50001F 01	RANG TUPH	2.388146 02	JAM	-1.>3989£ 61		9.00	
-	SOS GR GAMC	1.02748E 03 9.26357E-01 -9.70000E 00	LIFT ZDOT THE	0	DRAG ZB GV	2.29442E U5 2.78842E U2 2.45983E-01	MATH XLON	7.84174E 02 7.71770E 01	HFO KLAT	9.14706E 00 1.77554E-05 2.81847E 01			_
-	TIM	1.52000F.02	. HHT		- VEL	9.37442E U3 9.57001E 01	HANG ALPH	2.32295E 02	GAM	-1.55633E 01	····		:
-	SOS GR GAMC	1.02270F 03 1.03398H 00 -9.70000F 00	11FT 700T TH4	0	DRAG	2.54961E 05 2.78916E 02	OATM XLUN	8.75770F 02 7.71524E 01	HACH HEO KLAT	9.16633E 00 1.99311E-05 2.81826E 01			_
-	TIM	1.530009 U2 1.075655 05	NHI PHI	2.46603E 05 4.50000E 01	VEL Z	2.77416E-01 9.346/9E 63	RANG	2.33771E 02	G 4 M	-1.57282E 01			
-	SOS GR GAMC	1.01786E U3 1.15558E UU -9.70000E U0	LIFT ZDCT THR	0	DRAG 28	9.50001E 01 2.84970E 05 2.78941E 02	ALPH QATH XLON	9.79263E 02 7.71280E 01	MACH H►O XUAT	9.18280E 00 2.24184E-05 2.81804E 01			
-	TIM ALT	1.54000E 02 1.05022E 05	WHI	2.46603E 05 4.50000E 01	GV VEL	3.13247E-01 9.31598E 03	RANG	2.352416 02	GAM	-1.58936E 01			
-	SOS GR GAMC	1.01296F G3 1.29302E 00 -9.70000E 00	LIFT ZDCT THR	0	DRAG ZR	9.50001E 01 3.18862E 05 2.78966E 02	GATH XLON	1.09620E 03 7.71036E 01	HACH HEO XLAT	9.19593E 00 2.52666E-05 2.81783E 01			
_	TIM . ALT	1.55000F 02 1.02463E 05	144	2.46603E 05	GV VEL	3.54096E-01 9.27876E 03	RANG	2.367056 02	GAM	-1.60599E 01			
-	SOS GAMC	1.00800H 03 1.44833E 00 -9.70000E 00	LIFT ZUCT THR	4.50000E 01	Z DRAG ZR	3.57163E 65	GATM XLON	1.22830E 03 7.70793E 01	MACH.	9.20514E 00 2.85335E-05 2.81762E 01			_
-	TIM	1.560ngs n2	WHT	2.46603E 05	VEL		RANG	2.38161E 02	GAM	-1.62269E 01			
	SOS GR	9.988896 04 1.002986 03 1.623786 00	PHI LIFT ZUCT	4.5000UE 01 0	Z Drag Zr	9.50001E 01 4.00429E 05 2.79015E 02	ALPH QAIM XLON	1.37743E 03 7.70551E 01	MACH HFO XLAT	9.20974E 00 3.22861E-05 2.81741E 01			_
	TIM	-9.7000E 00	THA WHT	2.46603E 05	GV VEL	4.53752E-01 9.189/6E 03	RANG	2.39610E 02	GAM	-1.63949E 01			_
_	SOS GR	9.73012F 04 9.97916E 02 1.82181E 00	LIFT ZUCT	4.50000E 01 0	Z DRAG 78	9.50001E 01 4.49263E 05	ALPH DAIM XLON	1.54559E 03 7.70311E 01	HACH HEG XLAT	9.20895E 00 3.66030E+05 2.81720E 01			
	GAMC	-9.7000GF 00	THE	<u> </u>	GV	5.14215E-61							

TIM	1.58000E 02	WHT	2.46603E 05	VEL	9.13562E U3	RANG	2.41049E 02	GAM	-1.65640
ALT	9.47019E 04	PHI	4.50000E 01	Z	9.50001E 01	ALPH	0	MACH	9.20189
SOS	9.92799E 02	LIFT	0	DRAG	5.04311E 05	QATM	1.73494E 03	RFO	4.15756
GR	2.04503F 00	ZUCT	. 0	28	2.79063E 02	XLON	7.700726 01	XLAT	2.81699
GAMC	-9.70000E 00	THR	. 0	GV	5.83010E-01				•
					,				
TIM	1.59000₺ 02	NH I	2.46603E 05	VEL	9.07396E 03	RANG	2.42479E 02	GAM	-1.67344
ALT	9.20931E 04	144	4.50000E 01	Z	9.50NU1E U1	ALPH	U	MACH	9.18756
SOS	9.87635E U2	LIFT	0	DRAG	5.66252E 05	QATM	1.94767E U3	⊬ 0	4.73099
GR	2.29621E 00	ZDOT	C	ZB	2.79H87E 02	XLON	7.69835E 01	XLAT	2.81678
GAMC	-9.7000E 00	THR	0	GV	6.6116UE-01				
	_	• .							
TIM	1.60000F 02	WHT	2.46603E 05	VEL	9.00381E 03	HANG	2.43897E 02	GAM	-1.69063
ALT	8.94773E 04	144	4.50000E 01	Z	9.50001E 01	ALPH	Ú	MACH	9.16485
sos	9.82429F 02	LIFT	0	DRAG	6.357/7E 05	GATM	2.18598E 03	RFO	5.39293
GR	2.57814E 00	ZDCT		ZB	2.79110E 02	XLON	7.69599E U1	XLAT	2.81657
GAMC	-9,7000E 00	THR	. 0	GV	7.49741E-01				
-					0.004.55.47	5446	3 457505 65		
TIM	1.61000E 02	WHT	2.46603E 05	VEL	8.92415E 03	RANG	2.45302E 02	GAM	-1.70799
ALT	8.68573F 04	PHI	4.50000E 01	Z	9.50001E 01	ALPH	U	MACH	9.13251
SOS	9.77185E 02	LIFT	0	DRAG	7.13563E 05	OATM	2.45198E U3	RF0	6.15761
GR	2.89357E 00	ZDCT	0	ZB	2.79134E 02	XLON	7.69366E 01	XLAT	2.81637
GAMC	-9.70000E 00	THR	0	GV	8.49854E-U1	- 			
TIM	1.62000F 02	WHT	2.46603E 05	VEL	8.83387E 03	RANG	2.46692E 02	GAM	-1.72555
ALT	8.42363F 04	PHI	4.50000E 01	Z	9.50001E 01	ALPH	2.40092E UZ	MACH	9.08919
SOS	9.71909E 02	LIFT		DRAG	8.00233E 05	QATM	2.74747E 03	M⊁O RFO	7.04143
GR	3.24503E 00	ZDOT		Z8	2.79157E 02	XLON	7.69136E 01	XLAT	2.81617
GAMC	-9.70000E 00	THR	0.	Ğ۷	9.6256UE-01	YEON	7.091305 31	ALAI	.2.0101/
GARIC	-9.70010E 00	Ink	· · · · · · · · · · · · · · · · · · ·	<u> </u>	9.023002-01		· · · · · · · · · · · · · · · · · · ·		
TIM	1163000E 02	WHT	2.46603E 05	VEL	8.73181E 03	RANG	2.48067E 02	GAM	-1.74333
ALT	8.16178E U4	PHI	4.50000E 01	7.	9.50001E 01	ALPH	U	MACH	9.01967
Sos	9.68086F 02	LIFT	0	DRAG	8.93590E 05	QATM	3.06452E 03	REO	8.03866
GR	3.62360F 00	ZDCT	<u>_</u>	Z B	2.79180E 02	XLON	7.68908E 01	XLAT	2.81597
GAMC	-9.70000E 00	THR	j	ĞV	1.08562E 00	-			_,,,
						*			
TIM	1.64000E 02	WHT	2.46603E 05	VEL	8.61/68E 03	RANG	2.49423E 02	GAM	-1.76139
ALT	7.90056E 04	PHI	4.50000E 01	Z	9.50001E 01	ALPH	U	MACH	8.90177
sos	9.68086E 02	LIFT	. 0	DRAG	9.87659E U5	GATM	3.38097E 03	RFO.	9.10524
GR	4.00506E 00	ZDOT	0	ZB	2.79202E 02	XLON	7.68683E 01	XLAT	2.81577
GAMC	-9.70000£ 00	THR	0	ĜV	1.21193E 00				
		•							

.....GR_{MAX} CONTROL.....

ALPHA CONTROL 2 SETUE OF LEG 2

	MACH NUMBER	Gt ·	cı '	CL 2	Cn "	ATMS	
1 2 3 4 5 6 7 8 9 11 11 12 14 15 16	7 \$nonuch-01 5 account-01 1 account 01 1 account 00 1 25000 a 00 1 25000 a 00 1 25000 a 00 2 3 account 00 2 3 account 00 4 account 00 5 account 00 6 account 00	0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	5.00000E-02 4.0000E-02 4.0000E-02 5.10000E-02 5.10000E-02 4.5000E-02 4.5000E-02 5.10000E-02 5.75000E-02 5.75000E-02 5.75000E-02 7.75000E-02 7.75000E-02 7.75000E-02		4. (a) 100 b (c) 2 4. (a) 100 b (c) 2 4. (b) 100 b (c) 2 4. (b) 100 b (c) 2 4. (b) 100 b (c) 2 7. (c) 100 b	2.5000 obt of 2.51000 obt of 2.50000 obt of 2.50000 obt of 2.50000 obt of 3.0000 obt of	
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1 pm 4, 1 505 Ge Gamt,	9 Wind 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 Br-80E 	02 / 04 (19/A) 0 /P	9,771 BE 00 HAAG 9,56 TE 01 AL-H 7,95005 04 BATE 2,740 25 02 XL N 3,150 05-11	. 359346-02 . c - 616-01 . 21-656-01 	(基件 1,175年)所 (2 内各(24 長)24円4 E (27 内下(2 1,1742)円 (2 2 大しなり と,270円(1 E (2)	
TTM ALT SDS GR GAME	2.00000F 01 HH 2.12377F 15 PF 1.0044F 03 L1 7.44545F-02 70 -9.70000F 00 Te	1 86 PAGE FT -1 52586F CT	02 / 04 DRAG 0 /P	9.586 3F H3 HAVG 9.58 1E H1 ALLH 9.685 UE H3 UA H 1.757 9E H, 110N 5.861 3F H7	1.1 /62+ 11 1.350 BLF B1 1.74282+ 01 0.00411+ 01	GAM 7. ELLYE BE MACH 9. ELLYE BE MED 3. ERECOTE BE XLA 2. E4747E 01) }
TTM ALT SOS GP GAMC		1 1 40 6 0 F 1 -7 37 140 F CT	03 DRAG	9.514 9E BS HANG 9.58 (1E ST ALPH 4.552/5E (S DATE 2.754 2E BZ STUN 2.866/UE (C	1,3564446 BU	GBM = 1.5 (RAINAGE III MACH	,
TIM ALT SUS SH GAMC	2.598358-112 /		0.2	U. 48 / 48 / 40 / 42 / 42 / 42 / 42 / 42 / 42 / 42	7,5% (EE L1 7 4 H/5E (V	GAM 2.1/44/2-0 MACH 1/01/2-0 MACH 1/01/2-0 MACH 1.4/7/M-K-0 KLA1 //M-W-U	1
TIM ALT SIIS DAM SAMS D	7. 1481 HF 15 PH 9. 161 R/F 17 E 2.502 99 F 12 71	HT 2 46664 HT 1,85086 HT 2,861656 HT 2461656	F D S D P A S O S F O S O S F O S O S F O S O S O S	9,464 56 65 645 9,564 66 65 44 Acres 3,354 66 65 44 Acres 3,764 46 65 46 Acres 2,20 (26)	1	(A) (4) (5) (4) (6) (4) (6) (6) (6) (6) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7	1 ;
net er	45441				• • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	
1 1 14 505 - 1 Game	7 14727F - 5 P 9 90F1 1F - 2 L 4 20619F2 7	FT 2 466931 GF 4 519901 FFT 1 376171 CCT 7 115911	E D4 DH≜G	4.527-66 (HANC 4.517-66 (ALER 1.976-66 (ALER 1.77- 06 (ALER 5.617-06-12	н (600 объ 61 н (48785) С1	##U# 9,51166 4 #FO 5, 61386-0 gL4 .,5,9416 0	11 - 7 - 1
1 [M 4) 1 565 32 5440	1,98948F +5 F 1,86364F +3 L 1,65254F-+1 7	p.1 2 4eA63 p.1 4.5eunu et 3 4eA11 (c) 1 8/8/4	F 01 / F 04 DPA	9,567 5F 13 HASC 9,541-1F 11 ALER 7,107 6E 14 JAIP 7,781-0F 67 1E 0 1,534 0F-13	H 1,550 (CE 01 H 1,841195 (T	UAM	111
1 (M A) 7 StrS GP GAME GAME	1.84608F 05 F 1.08105F 05 E 2.5939F-01 7		(E N1 / (E N4 ()946 (E-N2 /E () () ()	9,567 9F 07 RANI 9,549 4F 01 AC-1 7,627 2F 14 UA'' 7,784 2F 17 TEN 1,91 (10F-0)	H 1.599006 01 H 4.799116 31 N 797756 11	HF() 1. 15485-1	; !!c !1
1 (M 4) 15 505 UP GAMI	1.60000F 02 6 	DOT 2,46663 Pirty - 96,75291 CHET 5,46331 PIRT 3 91571 THR	SE 05 VEL SE 01	9.24 4F 12 HAV	G 45444 62 94 1,551015 81 95 5 7941586 12		01 00 05 05
CTM AL 1 SOS GM GAMO	H 27832F 84 (9 68972F 92 (9 66774F 80	ян (— 2 4660) Ры — 8,34310 (164 — 1,92140 7601 — 1,8235, Тын	9 01 / 9 15 DPAG	7.585 BE 10 SAV 1.175 OF LA ALT 1.14 OF LO BA 2.81 OF BA VES	н дэчг 01 н дэчг 01	— насы 7,5,86чк — ньс 7,5,465 — кыл 7,5,5,56к	60 65 61
* 1 M AL T STIS GP GAMC	5 883175 84 9 586865 62 1.152985 61	WHI 2.466F. PHI H.467FE EIFT 2.5227 7FCT 4.5F13F	6F 01 / 2F 05 BRAG	4.09% 5F 13 HAN 1.84% 1F 12 AL 1.311 2F 14 QA 2.84 14E 12 YEL 1.1897 6F 14	ун (,1340ы) 0! ри (до 399) п.	[МФСМ 4.1.238-18 5 МРО 2. 85738	0.0 n.4
TIM ALT SOS GA GAME SIS	2.14000F 02 4.92645F 54 9.68666F 02 6.95647F 00 -1.17541F 01	PPI 2,4660 PPI 8,1634 LIFT 1,5230 7001 5,7193 Total	3F 01 / 5F 05 D4A5 9E 03 /R 3 GV	2.00H 8E (3 HAN 1.692 1F 1 ALS 7.665-0F P5 QA 2.852 7E 12 NU A.719 2E (1	PH 1.84 (46) 0 M .5 (74) C BN .6775E U	1 MACH 2, 74 SHE 2 MEO 3, 504-5-	स्य । - च 4 - स 1
						• • • • • • • • • • • • • • • • • • • •	
' M Al Sus	4. 399424 64	WHT 2 4660 PH1 LIFT 2 6705	9 /	1,045 7E 13 HAT 2,844-9F 12 ALT 2,472/1E 15 12A	PH 1,851891 U	U MACH 1.1 /9/E	9.0

INE RE	1.46403E 00 -6.00111E 00 ACHED	ZDGT THR	n U	ZR GV	2.85256E 82 1.16500E 88		/.68467E U	1 XLAI	2./e770E 01
ACH CO	NTON							******	*****
TH .	2.6000Ut U2	WHI	2.46426E 05	VFL	7.224 2E 02	HANG	3.08 8 39E 0		-4.13194E 00
uLT	4.24628F #4	PHI	0	Z DRAG	2.84949E 12 9.861 7E 04	ALPH Daim	7.42980E 0		7.46744E-01 5.21969E-04
ins ir	9.680866 U2 1.039866 UU	LIFT	2.44122E 05 0	7 P	2.852r6E 02	XLUN	7.60004E 0		2.76647E 01
AMC	-4.13208F 00	THR	3.92480E 04	Gν	1.026: 76 110				
IM LT	2.80000F #2 4.15293E #4	WHI PHI	2.44983E 05	VEL .	7.74694E 02 2.84949E 02		3.11312E 0	U MACH	-3.02129E 00 8.00233E-01
ios	9.68086E 112	LIFT	2.37612E 05 0	DRAG ZR	1.157-2E U5 2.857-6E U2	QA I M XL UN	1.65/88E U		5.45823E-04 2./6484E 01
R AMC	1.01719E 00 -3.02131E 00	THR	1.11979E 05	Ğv	1.016568 00		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
1 M	3,000000 02	WH1	2.43539E 05	VEL	7.825H6E 02		3.14874E 0		-2.18235E 00
L T 0 S	4.08266E 04 9.68086E 02	PH:	0 2. 3 5330E 05	7 Draii	2,84949E 02		7.51309E (8.08387E-01 7.64496E-04
P	1.911426 00	Z110 T	0 1.11979E 05	7 A G V	2.85286E #2 1.011#2E ##		7.58984E U	1 XLAI	2./6374E 01
	-2.18235F 00	THH					4 4 4 4 7 5 6		A 125 7 45 40
1M	3.20000F 62 4.03191F 04	PH!	2.421196E 05	VFL 7	7.78249E 02 2.84449E 02	ALPH	1.16437E (5.40566E (MACH	-1.57578E 00 8.03457E-01
0 S	9.68086F 02 1.00623F 90	LIFT	2.32896E 05	DRAG 78	1,20366E US 2,852/6E UZ		1.75177E (5./8382E-04 2./6264E N1
AMC	-1.575786 PU	THR	1.11979E 05	GV	1.006 UE 0U	_			
I M	3.40000+ 02	NHI	2.40652E 05	VFL	7.726 2E #2		3.18984E (-1.10850E 00
ILT SOS	3.99547F 04 9.68086F 02	PHI LIFT	0 2.31114E 05	Z Drag	2.84949E U2 1.183 4E 05		ラ.35524F し し.75664E し		7,98083E-01 5.88559E-04
R	1.00419F U0 -1.14042F 0U	ZDOT	1.11979E 05	7 R G V	2.852/6E 02 1.004/6E 00	XLUN	/.5H102E (1 XLAI	2./6155E 01
AMC								12 GAM	6
TM ALT	3.60000F U2 3.96925E 04	WH! PHI	2.39209E 05	VFL Z	7.684949E 62	ALPH	3.21514E (U MACH	-6.2/156E-01 7.93320E-01
OS R	9.68086E 02 1.00116E 00	L1FT 2007	2.25u73E 05	DRAG ZB	1,164/5E 1/5 2,852/6E 1/2		1.75767k (7.57755k (5.45994E-04 2./6046E-01
AMC	-8.27157E-01	THR	1.11979E 05	GV	1.001 4E bii				
TH .	3.8n000F 62	WHT	2.37766E 05	VFL	7,645#2E 12		3.24631E (-6.00869E-01
il T in s	3,95032E #4 9,68086F #2	PHI LIFT	2.27434E 85	7 Drag	2,84949E HZ 1,15442E US		5.2775/E (1.75837E (7.89891E-01 6.01422E-04
;R	9.999386-01	ZIICT	n 1.11979E U5	7H GV	2,85266E 62 9,999 9E-01		/.5/350E ()1 XLAI	2.75938E 01
; A MC	-6.00982E-01		_					12 GAM	4
T J M A L T	4.00000E 02 3.93625E 04	PH (2.36322F 05	VFL 7	フ.62667E いと ン.84949E いと		3.25546E (0 MACH	-4.99076E-01 7.6/830E-01
ins ip	9.68086E 02 9.96196E-01	L 1 F T 7 D G T	2.25232E 05	DRAG 20	1.14667E 65 2.85266E 62		1.761U4E (6.45489E-04 2./583UE 01
jamc	-5.0000b-41	THR	1.11979E 05	GV	9.96144E-01				21,72012 1.
I I H	4.20000€ 02	WHT	2.34879E 05	VFL	7.61¥ 2E 02		3.29044E I		
AL T Sos	3.92295E 04 9.68086F 02	PHI Lift	0 2.23891E 05	Z Drag	2.84949E UZ 1.13773E US		7.16022E (. 7.8/091E-01 6.u9356E-04
jR	9.96146F-01	ZHOT	9	7 Fr	2.852/6E 02	XFON	1.56543E		2./5722E 01
GAMC	-5.00000F-01	THA	1.11979E 05	Gv .	9.961~5E-01				
TIM	4.40000F 92	WHT	2.33435E 05	VFL	7. 6 15m1E 02	HANG	3.31547E ()2 GAM	-4.99225E-01
					_				
ALT SOS	3.90966F 04 9.68086E 02	PHI LIFT	0 2.22573E 05	7 DPAG	2.84949E 02 1.137-6E 05		5.10174E ()2 HF0	7.66688E-01 6.13245E-04
R	9.96169E-01 -5.00000E-01	ZDOT THR	0 1.11979E 05	7 A GV	2.852m6E 02 9.961m9E-01		7.5614UE	D1 XLAI	2./5615E 01
ALTH AN	NU YMB BOTH RE		1.117776 07	••					
• • • • • •	• • • • • • • • • • • • • • • •	******	• • • • • • • • • • • • •	-			. 7 11 405		4 000755 44
T]M Al T	4.56000E 02 3.89904E 04	WHT PHI	2.32281E 05	VFL 7	7.613 6E 02 2.84949E 02		3.33548E 7.05444E		-4.99235E-01 7.86424E-01
SOS	9,68086E 02 9,96178F-01	LIFT	2.21517E 05	DRAG ZB	1.13/#4E US 2.852#6E UZ	QĀTM	1.78630E 7.55818E		6.16373E-04 2./5529E-01
SR Samc	9,461/86-01	7 HR	1.11979E 05	8 V	9.951/8E-01			· · · · · · · · · · · · · · · · · ·	* * · · · - = · - · * •
HREQUE	ī							•	
FIM	2.710116 03	WHT	2.14095E 05	VFL	7.613.6E 02		6.159858		-4.99235E-01 /.86424E-01
AL T 50 5	3.89904E U4 9.68086E U2	PHI LIFT	0 4.33273E 05	Z Drag	2.84949E U2 1.816-9E U5	GAIM	4.25000E	04H SE	6.16373E-04
GR	9,96178F-01	2007	0	7B	2.857n6E 02		/,55818E		2,/5529£ 01
GL I DE						:			
WHT	2.15000F 05	RANG	6.31295E 02	GAM	2.27347E U1	l			
AL T	3.89904E 04	PHI	U	7	2.844498 02	ALPH	1.0000UE		4 147775 04
SOS Gr	9.68086E 02 9.96178E-01	LIFT ZUCT	4.29167E 05	DRAG ZR	1.798 4E 05 2.85266E 02		1.78630F /.55818E		6.16373E-04 2.75529E 01
GR	9.961786-01	ZUGT	ก	ZA	2.852m6E_02		/.55818E		2./5529E 01

CALCULATIONS FINISHED